

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care



# IPC Diseases and Conditions Table Recommendations for Management of Patients Acute Care | 2

© 2024 Alberta Health Services, Infection Prevention and Control



This work is licensed under a [Creative Commons Attribution-Non-commercial-Share Alike 4.0 International license](https://creativecommons.org/licenses/by-nc-sa/4.0/). To view a copy of this licence, see <https://creativecommons.org/licenses/by-nc-sa/4.0/>. You are free to copy, distribute and adapt the work for non-commercial purposes, as long as you attribute the work to Alberta Health Services and abide by the other licence terms. If you alter, transform, or build upon this work, you may distribute the resulting work only under the same, similar, or compatible licence. The licence does not apply to AHS trademarks, logos or content for which Alberta Health Services is not the copyright owner.

**Disclaimer:** This material is intended for general information only and is provided on an "as is", "where is" basis. Although reasonable efforts were made to confirm the accuracy of the information, Alberta Health Services does not make any representation or warranty, express, implied or statutory, as to the accuracy, reliability, completeness, applicability or fitness for a particular purpose of such information. This material is not a substitute for the advice of a qualified health professional. Alberta Health Services expressly disclaims all liability for the use of these materials, and for any claims, actions, demands or suits arising from such use.

## Introduction

This manual is intended to support staff in caring for patients in Alberta Health Services (AHS) owned and contracted acute care settings who have a known or suspected infectious disease or condition. It is organized in alphabetical order based on either the common or scientific spelling of the disease, condition or microorganism. For settings outside of acute care, including continuing care, corrections and community-based services refer to the [Continuing Care IPC Resource Manual Diseases and Conditions Table](#)

The most up-to-date version of the manual is the electronic version on the website. Printed copies of the document should be considered current only on the date printed.

## Instructions

### 1: To view a disease or condition table:

- **If you know what you are looking for;** click on its first letter in the list below to move to an alphabetical index of diseases and conditions for that letter. Click on the organism or disease you are looking for to view its content.
- **If you are unsure what you are looking for;** review the **Index of Diseases and Conditions** on the next pages. Click the organism or disease you would like to see.

### 2: If a disease, condition or microorganism you are looking for is not listed:

- **Follow Routine Practices** and contact Infection Prevention and Control or your Zone Medical Officer of Health or designate as needed for additional information.

### 3: To access interactive features:

- In the specific disease or condition, click the hyperlink that you would like to view. This will open the **linked** document.
- Routine Practices and Additional Precautions (RPAP) information sheets are linked to this document and appear in the tables as follows: **Routine Practices**; **Airborne Precautions**; **Airborne and Contact Precautions**; **Contact Precautions**; **Contact and Droplet Precautions**; **Droplet Precautions**.
- Other links in this document are **underlined**.
- Additional Precautions (AP) information sheets are linked to their Precautions sign, Routine Practices (RP) information sheet and other information. Links in the RPAP information sheets are **underlined**. Click on the underlined words to access the link.
- RPAP information sheets, signs and additional resources may also be accessed by the links in the left-hand column.

**Please contact Infection Prevention and Control (IPC) or your Zone Medical Officer of Health (MOH) or designate with any questions.**

## A

Abscess – (various organisms)

*Acinetobacter* – multidrug resistant (MDRA)

Acquired Immunodeficiency Syndrome (AIDS)

Actinomycosis (*Actinomyces* spp.)

Adenovirus spp. –

Conjunctivitis

Cystitis

Gastroenteritis

Respiratory tract infection

*Aeromonas* spp.

Amebiasis – diarrhea (*Entamoeba histolytica*)

AmpC

Anthrax – laboratory confirmed, probable or suspect case based on clinical symptoms (*Bacillus anthracis*)

Antibiotic-resistant organisms (ARO) –

Carbapenemase-producing organisms (CPO)

Extended-spectrum Beta-lactamase producers (ESBL) – *E. coli*, *Klebsiella* spp., others

Methicillin-resistant *Staphylococcus aureus* (MRSA)

Vancomycin-intermediate *Staphylococcus aureus* (VISA)

Vancomycin-resistant *Staphylococcus aureus* (VRSA)

Arthropod-borne virus (Arboviruses)

Ascariasis (*Ascaris* spp.) –

Roundworm – ascariasis

Hookworm – (*Necator americanus*, *Ancylostoma duodenale*)

Aspergillosis (*Aspergillus* spp.)

Astrovirus – diarrhea

Avian influenza

## B

Bedbugs (*Cimex lectularius*, *C. hemipterus*)

BK virus

Blastomycosis – pneumonia (*Blastomyces dermatitidis*), skin lesions

*Bordetella pertussis* – (whooping cough, pertussis)

Botulism (*Clostridium botulinum*)

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 5

*Burkholderia cepacia* complex –

Non-respiratory infections

Non-respiratory infections in high-risk patients (Burn unit, BMT/Oncology Unit, ICU, CVICU)

Respiratory infection

*Burkholderia pseudomallei* (Meliodiosis) – (aka Whitmore’s disease)

Burns (infected) – (*Staphylococcus aureus*, *Streptococcus* Group A, many other bacteria)

## C

Calicivirus (family of viruses that contain norovirus –also known as Norwalk or Norwalk-like virus)

*Campylobacter jejuni*

*Candida auris*

Candidiasis (*Candida* spp.)

Carbapenemase-producing organisms (CPO) – also known as Carbapenem-resistant Enterobacteriaceae (CRE) or Carbapenem-resistant organism (CRO)

Cat-scratch fever (*Bartonella henselae*)

Cellulitis – (*Staphylococcus aureus*, *Streptococcus* Group A, many other bacteria)

Chancroid (*Haemophilus ducreyi*)

Chickenpox

Chikungunya virus (Arbovirus CHIKV)

Chlamydia (*Chlamydia trachomatis*) – Lymphogranuloma venereum

Cholera (*Vibrio cholerae*)

*Citrobacter* spp., MDR – Carbapenemase-producing organisms (CPO)

*Clostridium difficile* infection (CDI)

*Clostridium perfringens* – food poisoning

*Clostridium perfringens* – gas gangrene

Coccidioidomycosis (*Coccidioides immitis*)

Congenital rubella

Conjunctivitis – pink eye; bacterial and viral

Coronavirus – (severe acute respiratory syndrome, SARS CoV, Middle East respiratory syndrome, MERS CoV)

Coronavirus – not SARS

Coronavirus – Novel (COVID-19)

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 6

*Corynebacterium diphtheriae* –

Toxigenic strain

Non-toxigenic strain

Diphtheria – cutaneous or pharyngeal

Cough, fever, acute upper respiratory tract infection –

Rhinovirus

Respiratory Syncytial Virus, [RSV]

Parainfluenza virus

Influenza

Adenovirus

Coronavirus

*Bordetella pertussis*

*Mycoplasma pneumoniae*

Cough, fever, pulmonary infiltrates in person at risk for tuberculosis (*Mycobacterium tuberculosis*)

COVID-19

Coxsackievirus disease (Enterovirus and *picornaviridae*) – hand-foot-mouth disease

Creutzfeldt-Jakob disease – classic (CJD) and variant (vCJD)

Crimean-Congo hemorrhagic fever (arbovirus)

Croup –

*Haemophilus influenzae*

*Mycoplasma pneumoniae*

Adenoviruses

Respiratory Syncytial Virus, [RSV]

Influenza virus

Parainfluenza virus

Measles virus

Human metapneumovirus

Cryptococcosis (*Cryptococcus neoformans*)

Cryptosporidiosis (*Cryptosporidium parvum*)

Cyclosporiasis (*Cyclospora cayetanensis*)

Cytomegalovirus

## D

Decubitus ulcer, infected – pressure ulcer (various organisms)

Dengue fever (Arbovirus)

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 7

Dermatitis, infected – (various organisms)

Diarrhea – (various organisms)

Diphtheria – cutaneous or pharyngeal

## E

Eastern equine encephalitis (Arbovirus)

Ebola viral disease

Echinococcosis/Hydatidosis – (*Echinococcus granulosus*, *Echinococcus multilocularis*)

E. coli Shiga Toxin Producing

Encephalitis – (Herpes simplex virus [HSV types 1 and 2], enterovirus, arbovirus, and others)

Endometritis (puerperal sepsis) – (*Streptococcus* Group A)

Enterobacter spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli

Enterobiasis (pinworm) (oxyuriasis, *Enterobius vermicularis*)

Enteroviral infections (echovirus, coxsackie A & B)

Epiglottitis – (*Haemophilus influenzae* type B [HIB], *Streptococcus* Group A, *Staphylococcus aureus*)

Epstein-Barr virus (Human Herpes virus 4)

Erysipelas – (*Streptococcus* Group A)

Extended-spectrum Beta-lactamase producers (ESBL) – AmpC Beta-lactamase producers (AmpC), *E. coli*, *Klebsiella* spp., others

*Escherichia coli* O157: H7

## F

Febrile respiratory illness, acute respiratory tract infection –

Rhinovirus

Respiratory syncytial virus, [RSV]

Parainfluenza virus

Influenza

Adenovirus

Coronavirus

*Bordetella pertussis*

*Mycoplasma pneumoniae*

Fever unknown origin, fever without focus (acute) – (many bacteria, viruses, fungi)

Food poisoning – (*Bacillus cereus*, *Clostridium perfringens*, *Staphylococcus aureus*, *Salmonella* spp., *Vibrio parahaemolyticus*, *Escherichia coli* O157: H7), *Listeria monocytogenes*, *Toxoplasma gondii*, *Bacillus* spp.)

## G

Gas gangrene (*Clostridium* spp.)

GAS – Group A *Streptococcus* (*Streptococcus pyogenes*) –

Skin infection

Invasive GAS (iGAS)

Necrotizing fasciitis

Scarlet fever

Pharyngitis

Toxic shock syndrome

Gastroenteritis – (several bacteria, viruses, parasites)

German measles

Giardiasis (*Giardia lamblia*)

Gonococcus (*Neisseria gonorrhoeae*)

Guillain-Barré syndrome

## H

*Haemophilus Influenzae* type B (HIB) – invasive disease – Osteomyelitis

Hansen's disease

Hantavirus

*Helicobacter pylori*

Hemolytic uremic syndrome (HUS) – (may be associated with *Escherichia coli* O157: H7)

Hemorrhagic fever acquired in identified endemic geographic location – (Ebola virus, Lassa virus, Marburg virus, others)

Hepatitis – A, E

Hepatitis – B, C, D, and other unspecified non-A, non-B

Herpangina (vesicular pharyngitis) – (enterovirus)

Herpes simplex –

Mucocutaneous – primary and extensive or disseminated

Mucocutaneous – recurrent

Neonatal

Type 1 (HSV-1) – gingivostomatitis, mucocutaneous

Herpes zoster

Histoplasmosis (*Histoplasma capsulatum*)

Human immunodeficiency virus (HIV)

Human metapneumovirus (HMPV)



# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 9

#### I

Impetigo – (*Staphylococcus aureus*, *Streptococcus* Group A – many other bacteria)  
Influenza – new pandemic strain  
Influenza – seasonal  
Invasive GAS (iGAS)

#### J

No organisms at this time

#### K

*Klebsiella* spp., MDR – see multidrug-resistant (MDR) gram-negative bacilli

#### L

Lassa fever (Lassa virus)  
Legionella (*Legionella* spp.) – Legionnaires' disease  
Leprosy (*Mycobacterium leprae*) – (Hansen's disease)  
Leptospirosis (*Leptospira* spp.)  
Lice  
Listeriosis (*Listeria monocytogenes*)  
Lyme disease (*Borrelia burgdorferi*)  
Lymphocytic choriomeningitis (LCM) virus

#### M

Malaria (*Plasmodium* spp.)  
Marburg virus  
Measles  
Meningitis  
Metapneumovirus  
Methicillin-resistant *Staphylococcus aureus* (MRSA)  
MERS CoV – (Middle East respiratory syndrome, severe acute respiratory syndrome, SARS CoV, coronavirus)  
Molluscum contagiosum (molluscum contagiosum virus)  
Mpox (monkeypox)  
Mononucleosis  
Morganella spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli  
Mucormycosis (phycomycosis, zygomycosis) – (*Mucor* spp., *Zygomycetes* spp., *Rhizopus* spp.)  
Multidrug-resistant (MDR)\* gram-negative bacilli

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 10

Mumps (mumps virus) – known case, exposed susceptible

Mycobacterium tuberculosis

Mycobacterium – non-tuberculosis (atypical) (e.g., *Mycobacterium avium* complex)

*Mycoplasma pneumoniae*

## N

2019-nCov

Necrotizing enterocolitis

Necrotizing fasciitis

*Neisseria gonorrhoeae*

*Neisseria meningitidis* (Meningitis or Invasive Meningococcal Disease)

Nocardiosis (*Nocardia* spp.)

Norovirus

Novel Coronavirus (COVID-19)

## O

Orf – parapoxvirus

Otitis, draining (*Streptococcus* Group A, *Staphylococcus aureus*, many other bacteria)

## P

Parainfluenza virus

Parvovirus B19 – Fifth disease, erythema infectiosum (rash), aplastic crisis

Pediculosis (Lice) – (*Pediculus humanus*, *Phthirus pubis*)

Pertussis

Pharyngitis – (*Streptococcus* Group A, *Corynebacterium diphtheriae*, many viruses)

Plague – bubonic (*Yersinia pestis*)

Plague – pneumonic (*Yersinia pestis*)

Pleurodynia (enterovirus, coxsackie virus)

*Pneumocystis jiroveci* pneumonia (PJP) – formerly known as *P. carinii* (PCP)

Pneumonia – bacterial or viral infection

Poliomyelitis

*Proteus* spp., MDR – see multidrug-resistant (MDR) gram-negative bacilli

*Providencia* spp., MDR – see multidrug-resistant (MDR) gram-negative bacilli

Pseudomembranous colitis

*Pseudomonas aeruginosa* (Metallo-carbapenemase producing\*\*)

Psittacosis (ornithosis) – (*Chlamydia psittaci*)

## Q

Q fever (*Coxiella burnetii*)

## R

Rabies

Rash, petechial or purpuric – (potential pathogen *Neisseria meningitidis*)

Rash, vesicular – (potential pathogen Varicella virus)

Rat-bite fever –

*Actinobacillus* – (formerly *Streptobacillus moniliformis*)

*Spirillum minus*

Relapsing fever (*Borrelia* spp.)

Rhinovirus

Rickettsialpox (*Rickettsia akari*)

Ringworm (tinea) – (*Trichophyton* spp., *Microsporum* spp., *Epidermophyton* spp.)

Rocky mountain spotted fever (*Rickettsia rickettsii*)

Roseola infantum – Human Herpes virus 6 (HHV6)

Rotavirus

RSV – Respiratory Syncytial Virus

Rubella (German measles) –

Exposed susceptible contact

Acquired

Congenital

Rubeola (measles) – exposed susceptible contact and confirmed diagnosis

## S

Salmonella (*Salmonella* spp.)

Sapovirus

SARS CoV – (severe acute respiratory syndrome, Coronavirus)

Scabies (*Sarcoptes scabiei*), Rash – compatible with scabies (Ectoparasite)

Scarlet fever

Schistosomiasis (*Schistosoma* spp.)

Septic arthritis – (*Haemophilus influenzae* type B [HIB] [possible in non-immune child <5 years of age], *Streptococcus* Group A, *Staphylococcus aureus*, many other bacteria)

Shigella (*Shigella* spp.)

*Serratia* spp.

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 12

Shingles

Smallpox (variola major virus, variola minor virus)

Sporotrichosis (*Sporothrix schenckii*)

*Staphylococcus aureus* – MRSA

*Staphylococcus aureus* – not MRSA, and other *Streptococci*, excluding Group A

Pneumonia

Skin infection

Staphylococcal scalded skin syndrome (Ritter's disease)

*Stenotrophomonas maltophilia*

Streptococcus Group A (GAS)

*Streptococcus*, Group B (*Streptococcus agalactiae*)

*Streptococcus pyogenes*

*Streptococcus pneumoniae*

Strongyloidiasis (*Strongyloides stercoralis*)

Syphilis (*Treponema pallidum*)

## T

Tapeworm (*Taenia saginata*, *Taenia solium*, *Diphyllobothrium latum*, *Hymenolepis nana*)

Tetanus (*Clostridium tetani*)

Toxic shock syndrome

Toxocariasis (*Toxocara canis*, *Toxocara cati*) Toxoplasmosis (*Toxoplasma gondii*)

Trachoma (*Chlamydia trachomatis*)

Trench fever (*Bartonella quintana*)

*Treponema pallidum*

Trichinosis (*Trichinella spiralis*)

Trichomoniasis (*Trichomonas vaginalis*)

Trichuriasis – whipworm (*Trichuris trichiura*)

Tuberculosis (TB) –

Extrapulmonary (Mycobacterium tuberculosis); (also *M. africanum*, *M. bovis*, *M. caprae*, *M. microti*, *M. pinnipedii*, *M. canetti*, *M. bovis BCG*)

Pulmonary disease (Mycobacterium tuberculosis); (also *M. africanum*, *M. bovis*, *M. caprae*, *M. microti*, *M. pinnipedii*, *M. canetti*, *M. bovis BCG*)

Non-Pulmonary

Tularemia (*Francisella tularensis*)

Typhoid or paratyphoid fever (*Salmonella typhi*, *Salmonella paratyphi*)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 13**

Typhus fever (*Rickettsia typhi*, *Rickettsia prowazekii*)

**U**

Urinary tract infection

**V**

Vancomycin-intermediate *Staphylococcus aureus* (VISA)

Vancomycin-resistant *Enterococcus* (VRE)

Vancomycin-resistant *Staphylococcus aureus* (VRSA)

Varicella zoster virus – chickenpox

    Chickenpox – exposed susceptible contact

    Chickenpox – known case

Varicella zoster virus – Herpes Zoster: Shingles

    Shingles - disseminated shingles

    Shingles - exposed susceptible contact

    Shingles - immunocompromised patient, localized (1 or 2 dermatomes)

    Shingles - localized (1 or 2 dermatomes AND lesions that CANNOT be covered with dressings or clothing)

    Shingles – localized (1 or 2 dermatomes AND lesions that CAN be covered with dressings or clothing)

Viral Hemorrhagic fever

**W**

West Nile (West Nile virus)

Western equine encephalitis

Whooping cough

Wound infection – (*Staphylococcus aureus*, *Streptococcus* Group A, many other bacteria)

Wuhan coronavirus

**X**

No organisms at this time

**Y**

Yaws (*Treponema pallidum*)

Yellow fever

*Yersinia enterocolitica*, *Yersinia pseudotuberculosis*

**Z**

Zika virus (*Flavivirus*)

Zoster

## A

Abscess – (various organisms)

*Acinetobacter*–multidrug-resistant (MDRA)

Acquired Immunodeficiency Syndrome (AIDS)

Actinomycosis (*Actinomyces* spp.)

Adenovirus spp. –

Conjunctivitis

Cystitis

Gastroenteritis

Respiratory tract infection

*Aeromonas* spp.

Amebiasis – diarrhea (*Entamoeba histolytica*)

AmpC

Anthrax – laboratory confirmed, probable or suspect case based on clinical symptoms (*Bacillus anthracis*)

Antibiotic-resistant organisms (ARO) –

Carbapenemase-producing organisms (CPO)

Extended-spectrum Beta-lactamase producers (ESBL) – *E. coli*, *Klebsiella* spp., others

Methicillin-resistant *Staphylococcus aureus* (MRSA)

Vancomycin-intermediate *Staphylococcus aureus* (VISA)

Vancomycin-resistant *Staphylococcus aureus* (VRSA)

Arthropod-borne virus (Arboviruses)

Ascariasis (*Ascaris* spp.) –

Roundworm – ascariasis

Hookworm – (*Necator americanus*, *Ancylostoma duodenale*)

Aspergillosis (*Aspergillus* spp.)

Astrovirus – diarrhea

Avian influenza

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 15**

<b>Suspected/Known Disease or Microorganism</b> <b>Abscess – (various organisms)</b>	
<b>Clinical Presentation</b> Abscess	
<b>Infectious Substances</b> Wound drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Until drainage resolved or contained by dressing	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 16

<b>Suspected/Known Disease or Microorganism</b> <b>Acquired Immunodeficiency Syndrome (AIDS)</b>	
<b>Clinical Presentation</b> Asymptomatic; multiple clinical presentations	
<b>Infectious Substances</b> Blood and certain body fluids	<b>How it is Transmitted</b> Mucous membranes or exposure to infected blood or body fluids, sexually transmitted
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Additional Precautions</b> Not applicable	
<b>Incubation Period</b> Weeks to years	<b>Period of Communicability</b> From onset of infection
<b>Comments</b> <ul style="list-style-type: none"> <li>If the patient is deceased, refer to the <a href="#">Alberta Bodies of Deceased Persons Regulations</a></li> </ul>	

**References:** [CDC \(2007\)](#)



IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 17

<b>Suspected/Known Disease or Microorganism</b> <b>Actinomycosis (<i>Actinomyces</i> spp.)</b>	
<b>Clinical Presentation</b> Cervicofacial, thoracic or abdominal infection	
<b>Infectious Substances</b> Endogenous flora	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• Normal flora</li> <li>• Infection is usually secondary to trauma</li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 18**

<b>Suspected/Known Disease or Microorganism</b> <b>Adenovirus spp. –</b>	<b><u>Conjunctivitis</u></b> <b>Cystitis</b> <b><u>Gastroenteritis</u></b> <b>Respiratory tract infection</b>
<b>Clinical Presentation</b>	
<b>Conjunctivitis:</b>	Swelling, redness and soreness of the whites of the eyes, watery discharge, itching
<b>Cystitis:</b>	Pain/burning during urination, frequency, urgency, suprapubic/back pain
<b>Gastroenteritis:</b>	Diarrhea
<b>Respiratory tract infection:</b>	Fever, cough, runny nose, sore throat, pneumonia
<b>Infectious Substances</b> Excretions and secretions	<b>How it is Transmitted</b> Large droplet (respiratory tract infection), Direct contact and indirect contact
<b>Precautions Needed*</b>	
<b>Conjunctivitis:</b>	<b>Contact Precautions</b>
<b>Cystitis:</b>	<b>Routine Practices</b>
<b>Gastroenteritis:</b> <b>ADULT</b>	<b>Contact Precautions</b>  If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>PEDIATRIC</b>	<b>Contact Precautions</b>

*(Continued on next page)*

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 19**

<b>Suspected/Known Disease or Microorganism</b> <b>Adenovirus spp. –</b>	<b><u>Conjunctivitis</u></b> <b><u>Cystitis</u></b> <b><u>Gastroenteritis</u></b> <b>Respiratory tract infection</b>
<b>Precautions Needed*</b> (Continued from previous page)	
<b>Respiratory tract infection:</b>	<b>Contact and Droplet Precautions</b>  For adult patients only: Wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**
<b>Duration of Precautions</b>	
<b>Conjunctivitis:</b>	Until symptoms resolve
<b>Cystitis:</b>	Not applicable
<b>Gastroenteritis:</b>	Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene
<b>Respiratory tract infection:</b>	Resolution of acute respiratory infection symptoms or return to baseline
<b>Incubation Period</b> Late in incubation period until 14 days after onset	<b>Period of Communicability</b> Until acute symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> Note that different strains are responsible for each disease condition <ul style="list-style-type: none"> <li>For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 20**

<b>Suspected/Known Disease or Microorganism</b> <b><i>Aeromonas</i> spp.</b>	
<b>Clinical Presentation</b> Diarrhea (sometimes called Traveler’s Diarrhea)	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 3-10 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 21**

<b>Suspected/Known Disease or Microorganism</b> <b>Amebiasis – diarrhea (<i>Entamoeba histolytica</i>)</b>	
<b>Clinical Presentation</b> Dysentery, diarrhea and liver abscesses	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> Days to weeks	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Transmission in setting for the mentally challenged and in a family group has been reported</li> <li>• Use care when handling diapered infants and mentally challenged persons</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2015\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 22**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Anthrax – laboratory confirmed, probable or suspect case based on clinical symptoms (<i>Bacillus anthracis</i>)</b>	
<b>Clinical Presentation</b>	
Skin lesions or pulmonary symptoms (shortness of breath, discomfort during breathing), fever, loss of appetite, vomiting and diarrhea	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Soil and animals, including livestock; lesion drainage (very rare) <i>Bacillus anthracis</i> spores that are dormant in the environment. Enter animal or human bodies to become activated.	No person-to-person transmission, only direct contact from infected animals, animal products or source of spores. Direct Contact: Ingestion of food or drink with spores. Pulmonary inhalation of spores from bioterrorism. Spore entry via cuts/opening in the skin.
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
1-7 days May be up to 60 days	Not applicable
<b>Comments</b>	
<ul style="list-style-type: none"> <li>• <b>Physician to notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Decontamination and post exposure prophylaxis is necessary for exposure to aerosols in the Laboratory setting or from biological bioterrorism</li> <li>• If the patient is deceased, refer to the <u><a href="#">Alberta Bodies of Deceased Persons Regulations</a></u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#), [CDC \(July 2017\)](#)

<p>Suspected/Known Disease or Microorganism</p> <p><b>Antibiotic-resistant organisms (ARO) –</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <p><b><u>Carbapenemase-producing organisms (CPO)</u></b>  <b><u>Methicillin-resistant Staphylococcus aureus (MRSA)</u></b></p> </td> <td style="width: 50%; border: none; vertical-align: top;"> <p><b><u>Vancomycin-intermediate Staphylococcus aureus (VISA)</u></b>  <b><u>Vancomycin-resistant Staphylococcus aureus (VRSA)</u></b></p> </td> </tr> </table>		<p><b><u>Carbapenemase-producing organisms (CPO)</u></b>  <b><u>Methicillin-resistant Staphylococcus aureus (MRSA)</u></b></p>	<p><b><u>Vancomycin-intermediate Staphylococcus aureus (VISA)</u></b>  <b><u>Vancomycin-resistant Staphylococcus aureus (VRSA)</u></b></p>
<p><b><u>Carbapenemase-producing organisms (CPO)</u></b>  <b><u>Methicillin-resistant Staphylococcus aureus (MRSA)</u></b></p>	<p><b><u>Vancomycin-intermediate Staphylococcus aureus (VISA)</u></b>  <b><u>Vancomycin-resistant Staphylococcus aureus (VRSA)</u></b></p>		
<p><b>Clinical Presentation</b></p> <p>Infection or colonization of any body site</p>			
<p><b>Infectious Substances</b></p> <p>Infected or colonized secretions/excretions</p>	<p><b>How it is Transmitted</b></p> <p>Direct contact and indirect contact</p>		
<p><b>Precautions Needed*</b></p>	<p style="border: 1px solid green; display: inline-block; padding: 2px 10px;"><b>Contact Precautions</b></p>		
<p><b>Duration of Precautions</b></p> <p>As directed by Infection Prevention and Control</p>			
<p><b>Incubation Period</b></p> <p>Variable</p>	<p><b>Period of Communicability</b></p> <p>Variable</p>		
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>See specific organism once identified</li> <li><b><u>Extended-spectrum Beta-lactamase producers</u></b> - (ESBL) only requires contact precautions for clusters or outbreaks.</li> </ul>			

**References:** [PHAC \(2012\)](#),

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 24**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Arthropod-borne virus (Arboviruses)</b>	
<b>Clinical Presentation</b>	
Encephalitis, fever, rash, arthralgia meningitis	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Not applicable	Insect borne (vector) Rare person-to-person transmission by transfusion, and for West Nile virus by organ transplant, breast milk or transplacentally.
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Variable 3-21 days	
<b>Comments</b>	
<ul style="list-style-type: none"> <li>• Several hundred different viruses exist. Most are limited to specific geographic areas.</li> <li>• Most common North American diseases caused by Arboviruses: <ul style="list-style-type: none"> <li>• Colorado tick fever (reovirus)</li> <li>• West Nile encephalitis (flavivirus)</li> </ul> </li> <li>• Other North American Diseases caused by Arboviruses: <ul style="list-style-type: none"> <li>• California encephalitis (bunyavirus)</li> <li>• St. Louis encephalitis (flavivirus)</li> <li>• Western equine encephalitis (alphavirus)</li> <li>• Eastern equine encephalitis (alphavirus)</li> <li>• Powassan encephalitis (flavivirus)</li> </ul> </li> </ul>	

**References:** [PHAC \(2012\)](#)



**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 25**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Ascariasis (<i>Ascaris</i> spp.) –</b>	<b>Roundworm – ascariasis</b> <b>Hookworm – (<i>Necator americanus</i>, <i>Ancylostoma duodenale</i>)</b>
<b>Clinical Presentation</b>	
Usually asymptomatic	
<b>Infectious Substances</b>	
<b>Roundworm:</b>	Contaminated soil or water
<b>Hookworm:</b>	Larvae in soil
<b>How it is Transmitted</b>	
<b>Roundworm:</b>	Ingestion of infective eggs/larvae No person-to-person transmission
<b>Hookworm:</b>	Acquired from larvae in soil, feces, and other contaminated surfaces through exposed skin, oral ingestion and from mother to fetus / infant No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	

(Continued on next page)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 26

<b>Suspected/Known Disease or Microorganism</b> <b>Ascariasis (<i>Ascaris</i> spp.) –</b> <i>(Continued from previous page)</i>		<b>Roundworm – ascariasis</b> <b>Hookworm – (<i>Necator americanus</i>,  <i>Ancylostoma duodenale</i>)</b>
<b>Incubation Period</b>	<b>Roundworm:</b> 2-8 days	
	<b>Hookworm:</b> 4-6 weeks	
<b>Period of Communicability</b>		
Not applicable		
<b>Comments</b> <ul style="list-style-type: none"> <li>Ova must hatch in soil to become infectious</li> </ul>		

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#), [CDC \(2018\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 27**

<b>Suspected/Known Disease or Microorganism</b> <b>Aspergillosis (<i>Aspergillus</i> spp.)</b>	
<b>Clinical Presentation</b> Infection of skin, lung, wound or central nervous system	
<b>Infectious Substances</b> Ubiquitous in nature, particularly in decaying material and in soil, air, water and food	<b>How it is Transmitted</b> Inhalation of airborne spores No person-to-person transmission
<b>Precautions Needed*</b>	<b>Routine Practices</b>
	<b>Airborne and Contact Precautions</b> If massive soft tissue infection with copious drainage and repeated irrigations required
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>Spores may be present in dust; infection in immunocompromised patients have been associated with exposure to construction dust. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 28**

<b>Suspected/Known Disease or Microorganism</b> <b>Astrovirus – diarrhea</b>	
<b>Clinical Presentation</b> Diarrhea	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 3 – 4 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 29**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Avian influenza</b>	
<b>Clinical Presentation</b>	
Respiratory tract infection, conjunctivitis	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Excreta of birds Possibly human respiratory tract secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b>
	Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing Aerosol-generating medical procedures (AGMPs).**
<b>Duration of Precautions</b>	
Until acute symptoms resolve. In the case of outbreak, patients are to remain on precautions for 5 days from the onset of acute illness OR until they are over the acute illness and have been afebrile X 48 hours, as indicated by <a href="#">AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</a> .	
<b>Incubation Period</b>	<b>Period of Communicability</b>
7 days or less, often 2-5 days	Unknown
<b>Comments</b>	
*Precautions required are in addition to <a href="#">Routine Practices</a>	
<ul style="list-style-type: none"> <li>• Contact Infection Prevention and Control for discontinuation of precautions</li> <li>• Most human infections by animal/bird influenza viruses are thought to result from direct contact with infected birds/animals</li> <li>• For current information on Avian influenza, see Human Health Issues Related to Domestic Avian Influenza in Canada available at <a href="http://www.phac-aspc.gc.ca/influenza/index-eng.php">http://www.phac-aspc.gc.ca/influenza/index-eng.php</a> <a href="http://www.phac-aspc.gc.ca/publicat/daio-enia/9-eng.php">http://www.phac-aspc.gc.ca/publicat/daio-enia/9-eng.php</a></li> </ul>	
** For complete list of <a href="#">AGMPs</a>	

**References:** [PHAC \(2012\)](#), [CDC \(2017\)](#)

## Aerosol-Generating Medical Procedure (AGMP)

### General Information

This list of procedures was reviewed by an expert working group made up of infection prevention and control physicians, workplace health and safety physicians, infection prevention and control professionals, epidemiologists and respiratory therapists.

- Prior to each patient interaction, the healthcare provider must assess the task, the patient, and the environment by performing an [Infection Prevention and Control Risk Assessment \(IPC RA\)](#).
- AGMP require an N95 respirator if the adult patient has respiratory illness (RI) of unknown etiology; or confirmed infection with viral respiratory organism, or other emerging/novel respiratory pathogens; or suspected or confirmed viral hemorrhagic fever.
- AGMP require an N95 respirator if the pediatric patient has respiratory illness (RI) of unknown etiology; or confirmed infection with suspected or confirmed influenza (all strains), COVID-19, or other emerging/novel respiratory pathogens; or suspected or confirmed viral hemorrhagic fever.

For a complete list of AGMP and non-AGMP procedures, refer to the [Aerosol-Generating Medical Procedure Guidance Tool](#)

### Precautions Needed –

In addition to Routine Practices

#### Contact and Droplet Precautions

Replace surgical/procedure mask with a fit-tested N95 respirator for AGMP procedure

Refer to [Aerosol Generating Medical Procedures \(AGMP\) in Progress Sign](#)

- Place patient in a private room with hard walls and a door; close door to reduce traffic into the room.
- If available within the care unit, place patient in airborne isolation room (AIR); transport of patient to access AIR is not advisable.
- Ask visitors and non-essential staff to leave the room.
- Replace the surgical/procedure mask with a fit-tested N95 respirator during the AGMP for all adult patients.
- In pediatrics, there is a paucity of data and therefore N95 respirators are only used with suspected or confirmed **influenza** (all strains), **COVID-19**, **VHF** and emerging viral infections
- There is no settle time required after AGMP is complete.

### Duration of use of N95 –

Until AGMP is complete

**Note:** Any other additional precautions that have been instituted (e.g., droplet, contact and droplet) are to be continued based on symptoms and/or diagnosis.

**B**

Bedbugs (*Cimex lectularius*, *C. hemipterus*)

BK Virus

Blastomycosis – pneumonia (*Blastomyces dermatitidis*), skin lesions

*Bordetella pertussis* – (whooping cough, pertussis)

Botulism (*Clostridium botulinum*)

Bronchiolitis – (frequently caused by Respiratory Syncytial Virus)

Brucellosis – undulant fever, Malta fever, Mediterranean fever

*Burkholderia cepacia* complex–

Non-respiratory infections

Non-respiratory infections in high-risk patients (Burn unit, BMT/Oncology Unit, ICU, CVICU)

Respiratory Infection

*Burkholderia pseudomallei* (Meliodosis) – (aka Whitmore’s disease)

Burns (infected) – (*Staphylococcus aureus*, *Streptococcus* Group A, many other bacteria)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Bedbugs (<i>Cimex lectularius</i>, <i>C. hemipterus</i>)</b>	
<b>Clinical Presentation</b>	
Small, hard, swollen, white welts that become inflamed and itchy. Bites are usually in rows.	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Bed clothes, mattresses, headboards, dresser tables, clothing, soft toys, suitcases, purses. Tend to hide in items that are within 2.5M/8ft of where people sleep and come out of hiding after dark.	Insect borne Direct contact and indirect contact No person-to-person transmission, but requires direct personal contact with infested material
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Not applicable Bites may take 1–14 days to appear	Not applicable
<b>Comments</b>	
<ul style="list-style-type: none"> <li>If it becomes apparent that a patient has bedbugs at home or they are visible on admission, have all belongings that are potentially infested (see Infectious Substances above) placed in sealed plastic bags or taken straight home.</li> <li>Refer to the <a href="#">Bedbug Management Protocol for Healthcare Workers</a></li> </ul>	

**References:** [PHAC \(2012\)](#)



**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 33**

<b>Suspected/Known Disease or Microorganism</b>	
<b>BK Virus</b>	
<b>Clinical Presentation</b> Fever and non-specific respiratory infection and hemorrhagic and non-hemorrhagic cystitis, pneumonitis, encephalitis, and hepatitis in <u>immunocompromised patients</u> . Possible neoplastic agent.	
<b>Infectious Substances</b> Respiratory secretions, transplacental, infected transplanted kidney organs	<b>How it is Transmitted</b> Direct contact and indirect contact Mother to fetus in utero Transplanted organs
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Exhibits primary infection in early childhood and latent infection later in life	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [IDSA \(July 2001\)](#), [Harvard \(2002\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Blastomycosis – pneumonia (<i>Blastomyces dermatitidis</i>), skin lesions</b>	
<b>Clinical Presentation</b>	
Respiratory infection (fever, cold-like symptoms: cough, runny nose, sore throat); pneumonia (shortness of breath, discomfort during breathing).  Skin lesions may develop when the infection disseminates from the lungs. Skin lesions can be nodular, verrucous or ulcerative and typically appear on the face or distal extremities.	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Spores from moist soil	Inhalation of spore-laden dust No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
21-105 days	Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b><i>Bordetella pertussis</i> – (whooping cough, pertussis)</b>	
<b>Clinical Presentation</b> Irritating, violent coughing without inhalation followed by high pitched crowing or “whoop”, vomiting after coughing, non-specific respiratory tract infection in infants	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Large droplets
<b>Precautions Needed*</b>	<b>Droplet Precautions</b>
<b>Duration of Precautions</b> Until 3 weeks after onset of paroxysms if not treated or until after 5 days of effective antimicrobial treatment	
<b>Incubation Period</b> Average 9-10 days; range of 6-20 days	<b>Period of Communicability</b> At onset of mild respiratory tract symptoms (catarrhal stage) until 3 weeks after onset of paroxysms or coughing if not treated
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>Consult physician regarding chemoprophylaxis for close contacts</li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 36**

<b>Suspected/Known Disease or Microorganism</b> <b>Botulism (<i>Clostridium botulinum</i>)</b>	
<b>Clinical Presentation</b> Nausea, vomiting, diarrhea, flaccid paralysis, cranial nerve palsies	
<b>Infectious Substances</b> Toxin producing spores in soil, agricultural products, honey, and animal intestine	<b>How it is Transmitted</b> Ingestion of spores/toxin in contaminated food; wounds contaminated by soil No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• Physician to notify Medical Officer of Health of case by fastest means possible</li> <li>• May be bioterrorism related</li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Bronchiolitis – (frequently caused by Respiratory Syncytial Virus)</b>	
<b>Clinical Presentation</b> Fever, cough, runny nose, sore throat	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>Bacterial:</b>	<b>Routine Practices</b>
<b>ADULT</b>	
<b>Viral or Unknown:</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Until acute symptoms resolve
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• Contact Infection Prevention and Control for cohorting considerations - may cohort individuals infected with the same virus</li> <li>• Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Brucellosis – undulant fever, Malta fever, Mediterranean fever</b>	
<b>Clinical Presentation</b>	
Continued, intermittent or irregular fever, headache, weakness, profuse sweating, arthralgia	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Infected animals and tissues such as cattle, sheep, goats, bison, wild hogs, elk, moose and camels and their byproducts such as milk, feces	Possible direct contact  Acquired from contact through breaks in skin tissues with infected animals or ingestion of unpasteurized dairy products from infected animals  Rarely person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Weeks to months	Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2010\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b><i>Burkholderia cepacia</i> complex –</b>	<b>Non-respiratory infections</b> <b>Non-respiratory infections in high-risk patients (Burn unit, BMT/Oncology unit, ICU, CVICU)</b> <b>Respiratory Infection</b>
<b>Clinical Presentation</b>	
<b>Non-Respiratory infections:</b>	Based on site of infection. Clinical symptoms may vary including skin and soft-tissue infections, surgical wound infections and UTI infections
<b>Respiratory infections:</b>	Exacerbation of chronic lung disease in patients with cystic fibrosis
<b>Infectious Substances</b>	
<b>Non-Respiratory infections:</b>	Potentially skin and body fluids
<b>Respiratory infections:</b>	Respiratory secretions
<b>How it is Transmitted</b>	
<b>Non-Respiratory infections:</b>	Direct contact and indirect contact
<b>Respiratory infections:</b>	Direct contact and indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>Non-Respiratory infections:</b>	<b>Routine Practices</b>
<b>Non-Respiratory infections in high-risk patients:</b>	<b>Contact Precautions</b>
<b>Respiratory infections:</b> <i>(Continued on next page)</i>	<b>Contact and Droplet Precautions</b>

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 40**

<b>Suspected/Known Disease or Microorganism</b> <b><i>Burkholderia cepacia</i> complex –</b>		<b>Non-respiratory infections</b> <b>Non-respiratory infections in high-risk patients (Burn unit, BMT/Oncology Unit, ICU, CVICU)</b> <b>Respiratory Infection</b>
(continued from previous page)		
<b>Duration of Precautions</b>		
<b>Non-Respiratory infections:</b>	Not applicable	
<b>Non-Respiratory infections in high-risk patients:</b>	As directed by Infection Prevention and Control	
<b>Respiratory infections:</b>	As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable	
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>Causes infection only in individuals with cystic fibrosis (CF) or chronic granulomatous disease (CGD)</li> <li>Do not room with patient with cystic fibrosis (CF) who is not infected or colonized with <i>Burkholderia cepacia</i></li> </ul>		

**References:** [CDC \(2007\)](#), [Govan JR, Brown PH, Maddison J, et al. \(1993\)](#)



IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 41

<b>Suspected/Known Disease or Microorganism</b> <b><i>Burkholderia pseudomallei</i> (Melioidosis) – (aka Whitmore’s disease)</b>	
<b>Clinical Presentation</b> Ac or localized infections including ulcers, skin abscesses, pulmonary infections (bronchitis and pneumonia), bloodstream and disseminated infections (abscess formation in multiple organs)	
<b>Infectious Substances</b> Contaminated soil and water	<b>How it is Transmitted</b> Inhalation or ingestion of contaminated soil, dust or water or contact through skin abrasions or openings No person-to-person transmission
<b>Precautions Needed</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>Routine Practices</b></div>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1-21 days but in some cases as long as years	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li><i>Burkholderia pseudomallei</i> is predominately found in tropical regions such as SE Asia and Northern Australia</li> <li>Incubation period can depend on inoculum- with high inoculum symptoms can develop in a few hours</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2016\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Burns (infected) – (<i>Staphylococcus aureus</i>, <i>Streptococcus</i> Group A, many other bacteria)</b>	
<b>Clinical Presentation</b> Local signs may include purulent drainage, conversion of a partial-thickness injury to a full-thickness wound, worsening cellulitis of surrounding normal tissue or lab results indicating infection.	
<b>Infectious Substances</b> Wound drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Until drainage resolved or contained by dressing	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#)

## C

Calicivirus (family of viruses that contain norovirus –also known as Norwalk or Norwalk-like virus)

*Campylobacter jejuni*

*Candida auris*

Candidiasis (*Candida* spp.)

Carbapenemase-producing organisms (CPO) – also known as Carbapenem-resistant Enterobacteriaceae (CRE) or Carbapenem-resistant organism (CRO)

Cat-scratch fever (*Bartonella henselae*)

Cellulitis – (*Staphylococcus aureus*, *Streptococcus* Group A, many other bacteria)

Chancroid (*Haemophilus ducreyi*)

Chickenpox

Chikungunya virus (Arbovirus CHIKV)

Chlamydia (*Chlamydia trachomatis*) – Lymphogranuloma venereum

Cholera (*Vibrio cholerae*)

*Citrobacter* spp., MDR – Carbapenemase-producing organisms (CPO)

*Clostridium difficile* infection (CDI)

*Clostridium perfringens* – food poisoning

*Clostridium perfringens* – gas gangrene

Coccidioidomycosis (*Coccidioides immitis*)

Congenital rubella

Conjunctivitis – pink eye; bacterial and viral

Coronavirus – (Severe acute respiratory syndrome, SARS CoV, Middle East respiratory syndrome, MERS CoV)

Coronavirus – not SARS

Coronavirus – Novel (COVID-19)

*Corynebacterium diphtheriae* –

    Toxigenic strain

    Non-toxigenic strain

    Diphtheria – cutaneous or pharyngeal

Cough, Fever, Acute upper respiratory tract infection –

    Rhinovirus

    Respiratory syncytial virus, [RSV]

    Parainfluenza virus

    Influenza

# IPC Diseases and Conditions Table

## Recommendations for Management of Patients

### Acute Care | 44

Adenovirus

Coronavirus

*Bordetella pertussis*

*Mycoplasma pneumoniae*

Cough, Fever, pulmonary infiltrates in person at risk for tuberculosis (*Mycobacterium tuberculosis*)

COVID-19

Coxsackievirus disease (Enterovirus and *picornaviridae*) – Hand-foot-mouth disease

Creutzfeldt-Jakob disease – classic (CJD) and variant (vCJD)

Crimean-Congo hemorrhagic fever (arbovirus)

Croup –

*Haemophilus influenzae*

*Mycoplasma pneumoniae*

Adenoviruses

Respiratory Syncytial Virus, [RSV]

Influenza virus

Parainfluenza virus

Measles virus

Human metapneumovirus

Cryptococcosis (*Cryptococcus neoformans*)

Cryptosporidiosis (*Cryptosporidium parvum*)

Cyclosporiasis (*Cyclospora cayetanensis*)

Cytomegalovirus

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 45**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Calicivirus (family of viruses that contain norovirus – also known as Norwalk or Norwalk-like virus)</b>	
<b>Clinical Presentation</b> Acute onset nausea, vomiting, diarrhea	
<b>Infectious Substances</b> Feces, emesis/vomit	<b>How it is Transmitted</b> Direct contact, indirect contact (fecal-oral), and large droplets (vomiting)
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
	<b>Contact and Droplet Precautions</b> if patient is actively vomiting
<b>Duration of Precautions</b>	
<b>ADULT</b>	Until symptoms have stopped for 48 hours and after at least one normal or formed bowel movement
<b>PEDIATRIC</b>	Extend duration of isolation to 5 days after resolution of symptoms in children
<b>Incubation Period</b> 12 hours-4 days	<b>Period of Communicability</b> Duration of viral shedding, usually 48 hours after diarrhea resolves
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>Common causes of outbreaks. Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 46**

<b>Suspected/Known Disease or Microorganism</b> <i>Campylobacter jejuni</i>	
<b>Clinical Presentation</b> Diarrhea (possibly bloody), abdominal pain and fever	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral), and ingestion of contaminated food and water
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 2-5 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 47**

<b>Suspected/Known Disease or Microorganism</b> <b><i>Candida auris</i></b>	
<b>Clinical Presentation</b> Infection or colonization at any body site	
<b>Infectious Substances</b> Skin, infected or colonized secretions, excretions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Contact Precautions Sporicidal Cleaning</b>
<b>Duration of Precautions</b> At least 2 negative specimens collected at least 1 week apart from all previously positive sites are needed before discontinuing precautions. The patient should not be on antifungal medications active against <i>C. auris</i> at the time of these assessments (wait 1 week following antifungal treatment). Assessments should involve testing swabs of the axilla, groin and sites yielding <i>C. auris</i> on previous cultures. Contact Infection Prevention and Control for discontinuation of precautions.	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li><i>C. auris</i> can be misidentified by commercial identification systems such as Vitek-2 and API-20C, <i>C. auris</i> can be correctly identified by MALDI-TOF.</li> </ul>	

**References:** [Schwartz, I. S., & Hammond, G. W. \(2017\). First reported case of multidrug-resistant \*Candida auris\* in Canada. \*Canada Communicable Disease Report\*, 43\(7/8\), 150.](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 48

<b>Suspected/Known Disease or Microorganism</b> <b>Candidiasis (<i>Candida</i> spp.)</b>	
<b>Clinical Presentation</b> Mucocutaneous lesions, systemic disease	
<b>Infectious Substances</b> Mucocutaneous secretions and excretions	<b>How it is Transmitted</b> Not applicable
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> Refer to specific page if organism is identified as <u><i>Candida auris</i> multidrug-resistant</u>	

**References:** [CDC \(2007\)](#)



<p><b>Suspected/Known Disease or Microorganism</b></p> <p><b>Carbapenemase-producing organisms (CPO) – also known as Carbapenem-resistant Enterobacteriaceae (CRE) or Carbapenem-resistant organism (CRO)</b></p> <p>Gram negative bacilli including the following but not exclusive:</p> <p><i>E. coli</i>,  <i>Klebsiella spp.</i>,  <i>Serratia spp.</i>,  <i>Providencia spp.</i>,  <i>Proteus spp.</i>,  <i>Citrobacter spp.</i>,  <i>Enterobacter spp.</i>,  <i>Morganella spp.</i>,  <i>Salmonella spp.</i>,  <i>Hafnia spp.</i></p>	
<p><b>Clinical Presentation</b>          Infection or colonization of any body site</p>	
<p><b>Infectious Substances</b>          Infected or colonized secretions/excretions</p>	<p><b>How it is Transmitted</b>          Direct contact and indirect contact</p>
<p><b>Precautions Needed*</b></p>	<p style="border: 1px solid green; padding: 2px; display: inline-block;"><b>Contact Precautions</b></p>
<p><b>Duration of Precautions</b>          As directed by Infection Prevention and Control</p>	
<p><b>Incubation Period</b>          Variable</p>	<p><b>Period of Communicability</b>          Variable</p>
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• Any of the above listed organisms if they are reported to be resistant to ≥1 carbapenem antibiotic (i.e., at least one of ertapenem, imipenem, meropenem, or doripenem)</li> <li>• Lab report may identify organism as CPO, MBL</li> </ul>	

**References:** [CDC \(2011\)](#), [PHAC \(2010\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 50**

<b>Suspected/Known Disease or Microorganism</b> <b>Cat-scratch fever (<i>Bartonella henselae</i>)</b>	
<b>Clinical Presentation</b> Fever, lymphadenopathy (swelling and pain of the lymph nodes with night sweats and weight loss)	
<b>Infectious Substances</b> Infected domestic cats	<b>How it is Transmitted</b> Infection occurs via scratch, bite, lick or other exposure to a cat No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 16-22 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Cellulitis – (<i>Staphylococcus aureus</i>, <i>Streptococcus</i> Group A, many other bacteria)</b>	
<b>Clinical Presentation</b> Inflammation or infection of cellular or subcutaneous tissue	
<b>Infectious Substances</b> Wound drainage if present	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	
Minor drainage contained by dressing	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>Routine Practices</b></div>
Major drainage not contained by dressing	<div style="border: 1px solid green; padding: 2px; display: inline-block;"><b>Contact Precautions</b></div>
<b>PEDIATRIC</b> <b>Periorbital cellulitis</b> in children <5 years old may be caused by <i>H. influenzae</i>	<div style="border: 1px solid orange; padding: 2px; display: inline-block;"><b>Droplet Precautions</b></div>
<b>Duration of Precautions</b> Until drainage resolved or contained by dressings  <b>PEDIATRIC</b> <b>Periorbital cellulitis</b> in children <5 years old may be discontinued after 24 hours of effective antimicrobial therapy.	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Chancroid (<i>Haemophilus ducreyi</i>)</b>	
<b>Clinical Presentation</b> Genital ulcers, papules or pustules	
<b>Infectious Substances</b> Drainage	<b>How it is Transmitted</b> Sexually transmitted
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-5 days	<b>Period of Communicability</b> As long as ulcerations remain unhealed
<b>Comments</b> <ul style="list-style-type: none"> <li>Chancroid rarely spreads from the genital tract and does not cause systemic disease</li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Chikungunya virus (Arbovirus CHIKV)</b>	
<b>Clinical Presentation</b> Fever, joint pain, headache, muscle pain, joint swelling and rash	
<b>Infectious Substances</b> <i>Aedes albopictus</i> mosquitoes	<b>How it is Transmitted</b> Insect borne No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Chlamydia (<i>Chlamydia trachomatis</i>) – Lymphogranuloma venereum</b>	
<b>Clinical Presentation</b> Genital tract infections (cervicitis, urethritis in females, urethritis, epididymitis in males), pneumonia, conjunctivitis, trachoma, inguinal adenopathy	
<b>Infectious Substances</b> Conjunctival and genital secretions	<b>How it is Transmitted</b> Sexually transmitted, mother to newborn at birth Trachoma: Direct contact and indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> As long as organism present in secretions
<b>Comments</b> <ul style="list-style-type: none"> <li>Physician to Notify Medical Officer of Health</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 55**

<b>Suspected/Known Disease or Microorganism</b> <b>Cholera (<i>Vibrio cholerae</i>)</b>	
<b>Clinical Presentation</b> Profuse watery diarrhea, nausea with or without vomiting	
<b>Infectious Substances</b> Contaminated food or water, feces	<b>How it is Transmitted</b> Direct contact, indirect contact and ingestion of contaminated food or water
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 0.5-5 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> </ul>	

**References:** [CDC \(2007\)](#), [WHO \(2017\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b><i>Citrobacter</i> spp., MDR – <u>Carbapenemase-producing organisms (CPO)</u></b>	
<b>Clinical Presentation</b> Infection or colonization at any body site	
<b>Infectious Substances</b> Infected or colonized secretions, excretions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Precautions are dependent on organism type and antibiotic susceptibility pattern.</li> <li>• Lab report may identify organism as a CPO, MBL</li> </ul>	

**References:** [PHAC \(2012\)](#)



<b>Suspected/Known Disease or Microorganism</b> <b><i>Clostridium difficile</i> infection (CDI) – including Pseudomembranous colitis</b>	
<b>Clinical Presentation</b> Diarrhea, abdominal cramping and discomfort, toxic megacolon, pseudomembranous colitis. In rare cases, a symptomatic patient will present with ileus or colonic distention.	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Contact Precautions Sporicidal Cleaning</b>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours and after at least one normal or formed bowel movement. A negative <i>Clostridium difficile</i> test is <b>not</b> required to discontinue <b>Contact Precautions Sporicidal Cleaning</b> .	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Use soap and water for hand washing, alcohol-based hand rubs are not as effective</li> <li>• Bacterial spores persist in the environment so careful cleaning is required</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#), [Cohen et al. \(2010\)](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 58

<b>Suspected/Known Disease or Microorganism</b> <b><i>Clostridium perfringens</i> – food poisoning</b>	
<b>Clinical Presentation</b> Gastroenteritis (abdominal pain, severe diarrhea)	
<b>Infectious Substances</b> Feces or soil contaminated food	<b>How it is Transmitted</b> Foodborne No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 6-24 (typically 8-12) hours	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 59**

<b>Suspected/Known Disease or Microorganism</b> <b><i>Clostridium perfringens</i> – gas gangrene</b>	
<b>Clinical Presentation</b> Breakdown of muscle tissue (myonecrosis). Severe pain, edema, tenderness, pallor, discoloration, hemorrhagic bullae and production of gas at wound site.	
<b>Infectious Substances</b> Feces, soil, water	<b>How it is Transmitted</b> Infection occurs through contamination of wounds (fractures, cuts, bullet wounds) with soil or any foreign material contaminated with <i>C. perfringens</i>  No person-to-person transmission
<b>Precautions Needed*</b>	<b>Contact Precautions</b>  if wound drainage present and not contained by dressing
<b>Duration of Precautions</b> If on <b>Contact Precautions</b> , discontinue isolation when drainage resolved or contained by dressing.	
<b>Incubation Period</b> 10 hours-5 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>Clinical manifestations of gas gangrene are caused by exotoxins produced by <i>C. perfringens</i></li> </ul>	

**References:** [PHAC \(2011\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 60**

<b>Suspected/Known Disease or Microorganism</b> <b>Coccidioidomycosis (<i>Coccidioides immitis</i>)</b>	
<b>Clinical Presentation</b> Pneumonia, draining lesions	
<b>Infectious Substances</b> Spores from soil and dust in endemic areas and exudates from infected host	<b>How it is Transmitted</b> Inhalation of spores No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1-4 weeks	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• Transmission occurs by inhalation of spores in soil and dust as well as exudates from infected individuals</li> <li>• Exercise care when changing or discarding dressings, casts or other materials that may be contaminated with exudate</li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 61**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Congenital rubella</b>	
<b>Clinical Presentation</b>	
Congenital rubella syndrome in the newborn (mild fever, rash with diffuse red spots and skin eruptions of irregular round shapes)	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Urine and nasopharyngeal secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b>	
Precautions will be required during any admission during the first year of life unless nasopharyngeal and urine cultures are done at > 3 months of age and are negative	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Not applicable	Prolonged shedding in respiratory tract and urine can be up to one year
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	
Important Note:	
<ul style="list-style-type: none"> <li>• Only immune persons should enter the room</li> <li>• Proof of immunity includes <ul style="list-style-type: none"> <li>○ written documentation of receipt of &gt; 1 dose of a rubella-containing vaccine administered on or after the first birthday, <b>or</b></li> <li>○ laboratory evidence of immunity (IgG); <b>or</b></li> </ul> </li> <li>• Non-immune persons should not enter except in urgent or compassionate circumstances</li> <li>• If immunity is unknown, assume person is non-immune</li> </ul>	

**References:** [PHAC \(2012\)](#), [WHO \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Conjunctivitis – pink eye: bacterial and viral</b>	
<b>Clinical Presentation</b> Swelling of the conjunctiva, redness and soreness of the whites of the eyes, purulent discharge, itching or irritation. Tends to involve only one eye in bacterial conjunctivitis and both eyes in viral conjunctivitis.	
<b>Infectious Substances</b> Eye discharge	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	
<b>ADULT</b> <b>Bacterial:</b>  <b>Viral</b>	<b>Routine Practices</b>  <b>Contact Precautions</b>
<b>PEDIATRIC</b> <b>Bacterial:</b>  <b>Viral:</b>	<b>Contact Precautions</b>  <b>Contact and Droplet Precautions</b> if respiratory symptoms present
<b>Duration of Precautions</b>	
<b>ADULT</b> <b>Bacterial:</b> Not applicable <b>Viral:</b> Until symptoms resolve or a non-viral cause is found	
<b>PEDIATRIC</b> <b>Bacterial:</b> Until 24 hours of effective antimicrobial therapy completed <b>Viral:</b> Until symptoms resolve or a non-viral cause is found	

(Continued on next page)

<p><b>Suspected/Known Disease or Microorganism</b></p> <p><b>Conjunctivitis – pink eye: bacterial and viral</b></p> <p><i>(Continued from previous page)</i></p>	
<p><b>Incubation Period</b></p> <p><b>Bacterial:</b> Variable</p> <p><b>Viral:</b>          Adenovirus: 2-14 days          Picornavirus (Enterovirus 70 or coxsackievirus): 24-48hr</p>	<p><b>Period of Communicability</b></p> <p><b>Bacterial:</b> During active infection</p> <p><b>Viral:</b>          Up to 14 days</p>
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <p><b>Bacterial:</b></p> <ul style="list-style-type: none"> <li>• Most common bacterial causes are: <i>Staphylococcus aureus</i>, <i>Haemophilus influenzae</i>, <i>Streptococcus pneumoniae</i>, <i>Moraxella catarrhalis</i></li> <li>• Bacterial conjunctivitis is less common in children older than 5 years of age</li> </ul> <p><b>Viral:</b></p> <ul style="list-style-type: none"> <li>• The most common cause of viral conjunctivitis is Adenovirus, followed by Picornavirus, Rubella, Rubeola and Herpesviruses.</li> <li>• See <u>Adenovirus – Conjunctivitis</u> for more information</li> <li>• See <u>Enterovirus</u> for more information</li> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 64**

<b>Suspected/Known Disease or Microorganism</b> <b><u>Coronavirus – (Severe acute respiratory syndrome, SARS CoV, Middle East respiratory syndrome, MERS CoV)</u></b>	
<b>Clinical Presentation</b> Fever cough, runny nose, sore throat, body aches, pneumonia (shortness of breath, discomfort during breathing)	
<b>Infectious Substances</b> Respiratory secretions and exhaled droplets and airborne particles	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b> Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a> .** For more information refer to <a href="#">Interim Guidance-Novel Coronavirus</a>
<b>Duration of Precautions</b> Duration of precautions will be determined on a case-by-case basis and in conjunction with Infection Prevention and Control, and the Medical Officer of Health.	
<b>Incubation Period</b> 3-10 days	<b>Period of Communicability</b> Unknown / variable
<b>Comments</b> *Precautions required are in addition to <a href="#">Routine Practices</a> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Contact Infection Prevention and Control for discontinuation of precautions</li> <li>• Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted. Refer to: <a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></li> <li>• Immunocompromised patient additional precautions need to be maintained for a longer duration due to prolonged viral shedding.</li> </ul> ** <b>For complete list of <a href="#">AGMPs</a></b>	

**References:** [PHAC \(2016\)](#)



**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 65**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Coronavirus – not SARS</b>	
<b>Clinical Presentation</b>	
Sore throat, runny nose, coughing, sneezing	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Respiratory secretions	Direct contact, indirect contact and possible large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b>	
Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b>	<b>Period of Communicability</b>
2-4 days	Duration of symptoms
<b>Comments</b>	
<p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>Contact Infection Prevention and Control for discontinuation of additional precautions</li> </ul> <p>For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></p> <ul style="list-style-type: none"> <li>Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted.</li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 66**

<b>Suspected/Known Disease or Microorganism</b>	
<b><i>Corynebacterium diphtheriae</i> –</b>	<b>Toxigenic strain</b> <b>Non-toxigenic strain</b> <b>Diphtheria – cutaneous or pharyngeal</b>
<b>Clinical Presentation</b>	
<b>Non-toxigenic strain:</b>	Skin or nasopharyngeal ulcerative lesion (lesions are asymmetrical with grayish white membranes surrounded with swelling and redness)
<b>Diphtheria – cutaneous or pharyngeal:</b> <b>Toxigenic strain:</b>	Cutaneous (skin) or nasopharyngeal ulcerative lesions. Nasopharyngeal lesions are asymmetric with grayish white membranes.
<b>Infectious Substances</b> Lesion drainage and/or nasopharyngeal secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>Toxigenic strain:</b>	<b>Contact and Droplet Precautions</b>
<b>Non-toxigenic strain:</b>	<b>Routine Practices</b>
<b>Diphtheria – cutaneous or pharyngeal:</b>	<b>Contact Precautions</b> - Cutaneous <b>Droplet Precautions</b> - Pharyngeal
<b>Duration of Precautions</b>	
<b>Toxigenic strain:</b>	Until two cultures from skin lesions and/or both nose and throat cultures are negative
<b>Diphtheria – cutaneous or pharyngeal:</b>	Until after antimicrobial therapy is complete AND two cultures from skin lesions and/or both nose and throat cultures, collected at least 24 hours apart, are negative

(Continued on next page)

<b>Suspected/Known Disease or Microorganism</b> <b><i>Corynebacterium diphtheriae</i> –</b> <i>(Continued from previous page)</i>		<b>Toxigenic strain</b> <b>Non-toxigenic strain</b> <b>Diphtheria – cutaneous or pharyngeal</b>
<b>Incubation Period</b> 2-5 days		
<b>Period of Communicability</b>		
<b>Toxigenic strain:</b>	If untreated, 2 weeks to several months If treated with appropriate antibiotics, 48hr	
<b>Diphtheria – cutaneous or pharyngeal:</b>	If untreated, 2 weeks to several months	
<b>Comments</b> <b>All Cases:</b> *Precautions required are in addition to <u><a href="#">Routine Practices</a></u> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Cultures should be taken at least 24 hours apart and at least 24 hours after the completion of antimicrobial treatment. If cultures are not available, maintain precautions until 2 weeks after completion of antimicrobial therapy.</li> <li>• Toxigenic strains produce diphtheria toxin. Not all <i>Corynebacterium diphtheriae</i> strains produce this toxin.</li> <li>• All isolates of <i>C. diphtheriae</i> and <i>Corynebacterium spp.</i> need to be tested by the laboratory for toxigenicity.</li> </ul> <b>Diphtheria – cutaneous or pharyngeal:</b> <ul style="list-style-type: none"> <li>• Consult physician regarding chemoprophylaxis for close contacts</li> </ul>		

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 68

<p>Suspected/Known Disease or Microorganism</p> <p><b>Cough, Fever, Acute upper respiratory tract infection –</b></p> <p>many viruses including:</p>	<p><b><u>Rhinovirus</u></b>  <b><u>Respiratory syncytial virus, [RSV]</u></b>  <b><u>Parainfluenza virus</u></b>  <b><u>Influenza</u></b>  <b><u>Adenovirus</u></b>  <b><u>Coronavirus</u></b>  <b><u>Bordetella pertussis</u></b>  <b><u>Mycoplasma pneumoniae</u></b></p>
<p><b>Clinical Presentation</b>          Cough, fever, sore throat, runny nose</p>	
<p><b>Infectious Substances</b>          Respiratory secretions</p>	<p><b>How it is Transmitted</b>          Direct contact, indirect contact and large droplets</p>
<p><b>Precautions Needed*</b></p>	<p><b>Contact and Droplet Precautions</b></p> <ul style="list-style-type: none"> <li>• <a href="#">AGMP</a> require an N95 respirator if the adult patient has respiratory illness (RI) of unknown etiology; or confirmed infection with viral respiratory organism, or other emerging/novel respiratory pathogens; or suspected or confirmed viral hemorrhagic fever.</li> <li>• <a href="#">AGMP</a> require an N95 respirator if the pediatric patient has respiratory illness (RI) of unknown etiology; or confirmed infection with suspected or confirmed influenza (all strains), COVID-19, or other emerging/novel respiratory pathogens; or suspected or confirmed viral hemorrhagic fever.</li> </ul>
	<p><b>Droplet Precautions</b> – Bordetella Pertussis, Mycoplasma pneumoniae</p>
<p><b>Duration of Precautions</b></p> <p>Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.</p>	
<p><b>Incubation Period</b>          Variable  <i>(Continued on next page)</i></p>	<p><b>Period of Communicability</b>          Variable / Duration of symptoms</p>

<p>Suspected/Known Disease or Microorganism</p> <p><b>Cough, Fever, Acute upper respiratory tract infection – many viruses including:</b></p> <p><i>(Continued from previous page)</i></p>	<p><b><u>Rhinovirus</u></b>  <b><u>Respiratory syncytial virus, [RSV]</u></b>  <b><u>Parainfluenza virus</u></b>  <b><u>Influenza</u></b>  <b><u>Adenovirus</u></b>  <b><u>Coronavirus</u></b>  <b><u>Bordetella pertussis</u></b>  <b><u>Mycoplasma pneumoniae</u></b></p>
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u> See specific organism once identified</p> <ul style="list-style-type: none"> <li>• Contact Infection Prevention and Control for cohorting considerations - may cohort individuals infected with the same virus once identified</li> <li>• Minimize exposure of immunocompromised patients, children with chronic cardiac or lung diseases, nephritic syndrome, neonates. These patients <b>should not</b> be cohorted. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> </ul> <ul style="list-style-type: none"> <li>• Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> <li>• Patients may have prolonged post-viral dry cough for weeks but this may not represent ongoing acute illness</li> <li>• If TB suspected, see <u>Tuberculosis (TB)</u></li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 70**

<b>Suspected/Known Disease or Microorganism</b>  <b>Cough, Fever, Pulmonary infiltrates in person at risk for tuberculosis (<i>Mycobacterium tuberculosis</i>)</b>	
<b>Clinical Presentation</b> Fever, weight loss, cough, night sweats, abnormal chest x-ray	
<b>Infectious Substances</b> Exhaled airborne particles	<b>How it is Transmitted</b> Airborne
<b>Precautions Needed*</b>	<a href="#"><b>Airborne Precautions</b></a>
<b>Duration of Precautions</b> Until tuberculosis is ruled out by another diagnosis that explains the clinical syndrome OR results of three sputum smears for AFB are negative and clinician agrees that TB is no longer being suspected. OR if Confirmed Cases, until: <ol style="list-style-type: none"> <li>1. Receipt of 2 weeks effective treatment, AND</li> <li>2. Clinical improvement, AND</li> <li>3. Three (3) consecutive negative Acid-Fast Bacilli sputums collected following the Provincial Laboratory's <a href="#">Guide to Services</a> document. If multi-drug-resistant tuberculosis, until culture negative.</li> </ol>	
<b>Incubation Period</b> Not applicable <i>(Continued on next page)</i>	<b>Period of Communicability</b> Until infectious etiology ruled out If TB confirmed, while organisms are in sputum

Suspected/Known Disease or Microorganism

**Cough, fever, pulmonary infiltrates in person at risk for tuberculosis (*Mycobacterium tuberculosis*)**

(Continued from previous page)

**Comments**

\*Precautions required are in addition to Routine Practices

- **Physician to Notify Medical Officer of Health of case by fastest means possible**
- Young children with tuberculosis are rarely infectious as they usually have a weak cough and do not have cavitory disease so may not require **Airborne Precautions**. **Airborne Precautions** should be implemented until an expert in tuberculosis management deems the patient non-infectious.
- Household/close contacts visiting pediatric patients admitted with suspected or confirmed TB should remain in the patient's room and when leaving the room should wear a procedure mask until active TB disease can be ruled out in the visiting contacts.
- If the patient is deceased, refer to the Alberta Bodies of Deceased Persons Regulations.

• **Discharge Settle Time**

*Non-negative pressure rooms:*

- Do not admit a new patient into this room for at least 2 hours. If entering room before 2 hours and non-immune, wear an N95 respirator.

*Negative pressure rooms:*

- Do not admit a new patient into this room for at least 45 minutes. If entering room before 45 minutes, and non-immune, wear an N95 respirator.
- Alternatively, if specific air exchange rates for the room are known, refer to Table 1: Air Clearance Rates to determine

**References:** [PHAC \(2012\)](#)

**Suspected/Known Disease or Microorganism**

**COVID-19 (Novel Coronavirus, 2019-nCoV) - including all variants**  
**\*\*INTERIM RECOMMENDATIONS as of April 2024\*\***

**Clinical Presentation**

Fever, new onset of cough or worsening chronic cough, new or worsening shortness of breath or difficulty breathing, sore throat, runny nose. Extended symptoms may include chills, painful swallowing, stuffy nose, headache, muscle or joint ache, feeling unwell, fatigue or severe exhaustion, nausea, vomiting, diarrhea or unexpected loss of appetite, loss of sense of smell or taste, conjunctivitis (pink eye). May cause pneumonia, severe acute respiratory syndrome and kidney failure.

**Infectious Substances**

Respiratory secretions

**How it is Transmitted**

Droplet, indirect and direct contact.

**Precautions Needed\***

Full recommendations [here](#)

**Contact and Droplet Precautions**

Perform an [Infection Prevention and Control Risk Assessment \(IPC RA\)](#) and wear fit tested N95 respirator when performing [Aerosol-generating medical procedures \(AGMPs\)](#).\*\*

Door may remain open except during AGMP.

**Duration of Precautions**

Duration of precautions will be determined on a case-by-case basis, based on [Discontinuation of Contact and Droplet Precautions for Suspected or Confirmed COVID-19 Form \(21624\)](#)

**Incubation Period**

Symptoms may take up to 14 days to appear after exposure.

**Period of Communicability**

Unknown

**Comments**

\*Precautions required are in addition to [Routine Practices](#)

- <https://www.albertahealthservices.ca/assets/info/ppih/if-ppih-ncov-ed-ucc-triage-algorithm.pdf>
- Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted with others, confirmed positive COVID-19 patients may be cohorted together. *(Continued on next page)*



Suspected/Known Disease or Microorganism

**COVID-19 (Novel Coronavirus, 2019-nCoV)**  
**\*\*INTERIM RECOMMENDATIONS as of April 2024\*\***

*(Continued from previous page)*

- Use [Discontinuation of Contact and Droplet Precautions for Suspected or Confirmed COVID-19, Form# 21624](#). In case of questions, contact Infection Prevention and Control.
- For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: [Infection Prevention and Control Considerations for Immunocompromised Patients](#)

WHO <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/infection-prevention-and-control>

Public Health Agency of Canada updates <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html>

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 74

<b>Suspected/Known Disease or Microorganism</b>	
<b>Coxsackievirus disease (Enterovirus and <i>Picornaviridae</i>) – Hand-foot-mouth disease</b>	
<b>Clinical Presentation</b>	
Fever, meningitis, encephalitis, hemorrhagic conjunctivitis (swelling, redness and soreness of the whites of the eyes, itching, with added damage to the vessel of the eye causing bleeding), lesions or rash to hands, feet and/or buttocks, possible sore throat, vomiting and/or diarrhea may also be present.	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Respiratory secretions, feces, blister fluid	Direct contact with secretions and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Contact Precautions</b>
<b>Duration of Precautions</b>	
<b>ADULT</b>	Not Applicable
<b>PEDIATRIC</b>	Until symptoms are resolved
<b>Incubation Period</b>	<b>Period of Communicability</b>
3-5 days	During acute states of illness, potentially longer if patient remains incontinent
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Creutzfeldt-Jakob disease – classic (CJD) and variant (vCJD)</b>	
<b>Clinical Presentation</b> Subacute onset of confusion, progressive dementia, chronic encephalopathy	
<b>Infectious Substances</b> Tissues of infected animals and humans High Risk Tissues (CJD): Brain including dura mater, spinal cord, eyes High Risk Tissues (vCJD): Same as CJD but includes tonsils	<b>How it is Transmitted</b> Contaminated instrumentation (classical), ingestion of central nervous system tissue
<b>Precautions Needed</b>	<b>Routine Practices</b> Except special precautions are needed for surgery and autopsy in all suspect cases
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Months to years	<b>Period of Communicability</b> Highest level of infectivity during symptomatic illness
<b>Comments</b> *Special precautions for surgery and autopsy: <ul style="list-style-type: none"> <li>• <b>Immediately consult Infection Prevention and Control if patient requires surgery or invasive procedure(s).</b></li> <li>• Information is available on Insite Home &gt; Teams &gt; Clinical Services &gt; Policy Department &gt; AHS Wide Policies &gt; Prion Disease (Creutzfeldt-Jacob Disease) Precautions for the Surgical Patient (Adult or Child)</li> <li>• If the patient is deceased, refer to the <a href="#">Alberta Bodies of Deceased Persons Regulations</a>.</li> </ul>	

**References:** [PHAC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 76**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Crimean-Congo hemorrhagic fever (Arbovirus)</b>	
<b>Clinical Presentation</b>	
Headache, fever, back pain, joint pain, stomach pain, vomiting, red eyes, red, throat, petechiae, jaundice, mood change, bruising, bleeding.	
History of travel and/or contact with persons and non-human primates from endemic countries must be considered at triage.	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Blood and body fluids shed from sick domestic animals and/or humans, tick bite	Direct contact, indirect contact, large droplets and tick bite
<b>Precautions Needed*</b>	
<p>Refer to the <a href="#">Contact and Droplet Precautions Suspect/Confirmed Ebola Virus Disease</a>.</p> <p>Single-patient room and dedicated bathroom is required. Room door to remain closed to limit access to room.</p> <p>Refer to the <a href="#">PPE Requirements for Suspect/Confirmed Viral Hemorrhagic Fever (VHF) (Ebola)</a> for details on donning, doffing and disposal of PPE. Post donning posters for PPE used on the wall of the Donning/Doffing room.</p> <p>Maintain a log of all people entering the patient's room.</p>	<p><b>Contact and Droplet Precautions</b></p> <p>Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a>.**</p>
<b>Duration of Precautions</b>	
Until symptoms resolve <i>and</i> directed by Infection Prevention and Control	
<b>Incubation Period</b>	<b>Period of Communicability</b>
<p>1-3 days after exposure via tick bite</p> <p>5-6 days after contact with infected blood or tissue</p>	Until all symptoms resolve

(Continued on next page)

Suspected/Known Disease or Microorganism

**Crimean-Congo hemorrhagic fever (Arbovirus)**

*(Continued from previous page)*

**Comments**

\*Precautions required are in addition to Routine Practices

- **Physician to notify Medical Officer of Health of case by fastest means possible**
- For general information visit the AHS Ebola webpage. Infection Prevention and Control (IPC) & Workplace Health and Safety (WHS) Ebola Virus Disease (EVD) Guidance are based on currently available scientific evidence and guidelines and are subject to review and change as new information becomes available
- If the patient is deceased, refer to the Alberta Bodies of Deceased Persons Regulations

\*\* ***For complete list of AGMPs***

**References:** [PHAC \(2015\)](#)



IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 79

<b>Suspected/Known Disease or Microorganism</b>  <b>Croup –</b> <u>Haemophilus influenzae</u> <u>Mycoplasma pneumoniae</u> <u>Adenovirus</u> <u>Respiratory Syncytial Virus, [RSV]</u>  <i>(Continued from previous page)</i>		<u>Influenza virus</u> <u>Aerosol-generating medical procedures (AGMPs)</u> <u>Parainfluenza virus</u> <u>Measles virus</u> <u>Human metapneumovirus</u>
<b>Precautions Needed* (continued)</b>	<b>Droplet Precautions</b> – Mycoplasma pneumoniae	
	<b>Airborne Precautions</b> If Measles (Rubeola) suspected	
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.		
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Duration of symptoms	
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> See specific organism once identified		

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Cryptococcosis (<i>Cryptococcus neoformans</i>)</b>	
<b>Clinical Presentation</b> Meningitis (usually in immunocompromised patient), pulmonary cryptococcosis, disseminated cryptococcosis	
<b>Infectious Substances</b> Bird droppings	<b>How it is Transmitted</b> Presumably inhalation of the fungal spores or possibly through infected transplanted organs No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)



**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 81**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Cryptosporidiosis (<i>Cryptosporidium parvum</i>)</b>	
<b>Clinical Presentation</b>	
Diarrhea, cramps, weight loss, nausea and headaches	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Feces (Fecal oocysts)	Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
	If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b>	
Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement	
OR until patient is continent and has good hygiene	
<b>Incubation Period</b>	<b>Period of Communicability</b>
1-12 days	From onset of symptoms until several weeks after symptoms are resolved
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Cyclosporiasis (<i>Cyclospora cayetanensis</i>)</b>	
<b>Clinical Presentation</b> Vomiting, diarrhea, weight loss, abdominal pain, nausea, fever, or may be asymptomatic	
<b>Infectious Substances</b> Contaminated water, fruits and vegetables. Imported, fresh raspberries, other fruits and lettuce from central America	<b>How it is Transmitted</b> Fecal-oral ingestion of contaminated food or water Direct person-to-person transmission unlikely
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Cytomegalovirus</b>	
<b>Clinical Presentation</b>	
Usually asymptomatic; congenital infection, retinitis, disseminated infection in immunocompromised person. Infection may cause a mononucleosis-like-syndrome with prolonged fever (lasting 2-3 weeks), malaise, atypical lymphocytosis, cervical lymphadenitis, mild hepatitis, and encephalitis	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Saliva, genital secretions, urine, breast milk, transplanted organs or stem cells, blood products	Sexual Contact and Direct Contact Vertical mother to child in utero, at birth or through breast milk Transfusion, transplantation
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Unknown for person-to-person transmission 3-12 weeks for blood transfusions, 1-4 months for tissue transplants	<b>NEONATES:</b> 5-6 years <b>ADULTS:</b> Variable, linked to immuno-suppressed status
<b>Comments</b>	
<ul style="list-style-type: none"> <li>Requires intimate personal contact for transmission</li> <li>No additional protective measures are required for pregnant healthcare providers</li> <li>Disease is often due to reactivation in the patient rather than transmission of infection</li> </ul>	

**References:** [PHAC \(2012\)](#)

**D**

Decubitus ulcer, infected – pressure ulcer (various organisms)

Dengue fever (Arbovirus)

Dermatitis, infected – (various organisms)

Diarrhea – (various organisms)

Diphtheria – cutaneous or pharyngeal

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 85

<b>Suspected/Known Disease or Microorganism</b> <b>Decubitus ulcer, infected – pressure ulcer (various organisms)</b>	
<b>Clinical Presentation</b> Abscess, draining pressure sores	
<b>Infectious Substances</b> Wound drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Until drainage resolved or contained by dressings	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 86**

<b>Suspected/Known Disease or Microorganism</b> <b>Dengue fever (Arbovirus)</b>	
<b>Clinical Presentation</b> Fever, joint pain, rash	
<b>Infectious Substances</b> Infected mosquito saliva	<b>How it is Transmitted</b> Bite of infected mosquito No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 87**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Dermatitis, infected – (various organisms)</b>	
<b>Clinical Presentation</b>	
Multiple presentations on skin: inflammation, rash, blisters, scaly patches	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Drainage	Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b>
	Minor drainage contained by dressing
	<b>Contact Precautions</b>
	Major drainage not contained by dressing
<b>Duration of Precautions</b>	
Until symptoms resolve or return to baseline	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Variable	Until infectious etiology ruled out
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u> .	
<ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• If compatible with scabies take appropriate precautions pending diagnosis</li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Diarrhea – (various organisms)</b>	
<b>Clinical Presentation</b> Diarrhea	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Until symptoms resolve OR infectious etiology ruled out
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



## E

Eastern equine encephalitis (Arbovirus)

Ebola viral disease

Echinococcosis/Hydatidosis – (*Echinococcus granulosus*, *Echinococcus multilocularis*)

E. coli Shiga Toxin Producing

Encephalitis – (Herpes simplex virus [HSV types 1 and 2], Enterovirus, Arbovirus, and others)

Endometritis (puerperal sepsis) – (*Streptococcus* Group A)

Enterobacter spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli

Enterobiasis (pinworm) (oxyuriasis, *Enterobius vermicularis*)

Enteroviral infections (Echovirus, Coxsackie A & B)

Epiglottitis – (*Haemophilus influenzae* type B [HIB], *Streptococcus* Group A, *Staphylococcus aureus*)

Epstein-Barr virus (Human Herpes virus 4)

Erysipelas – (*Streptococcus* Group A)

Extended-spectrum Beta-lactamase producers (ESBL) – AmpC Beta-lactamase producers (AmpC), *E. coli*, *Klebsiella* spp., others

*Escherichia coli* O157: H7

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 90

<b>Suspected/Known Disease or Microorganism</b>	
<b>Eastern equine encephalitis (Arbovirus)</b>	
<b>Clinical Presentation</b>	
Fever, encephalomyelitis (headache, chills, vomiting, disorientation, seizures)	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Aedes mosquito bite (virus found in birds, bats, and possibly rodents)	Bite of infected mosquito No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
4-10 days	Not applicable
<b>Comments</b>	
<ul style="list-style-type: none"> <li>Physician to Notify Medical Officer of Health of case by fastest means possible</li> </ul>	

**References:** [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 91**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Ebola viral disease</b>	
<b>Clinical Presentation</b>	
Fever, myalgias, pharyngitis, nausea, vomiting and diarrhea Hemorrhagic fever in late clinical presentation History of travel and/or contact with persons and non-human primates from endemic countries must be considered at triage	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Blood, body fluids and respiratory secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed</b>	
Refer to the <a href="#">Contact and Droplet Precautions Suspect/Confirmed Ebola Virus Disease</a> Single-patient room and dedicated bathroom is required. Room door to remain closed to limit access to room. Refer to the <a href="#">PPE Requirements for Suspect/Confirmed Ebola Virus Disease</a> for details on donning, doffing and disposal of PPE. Post donning posters for PPE used on the wall of the Donning/Doffing room. Maintain a log of all people entering the patient's room.	<b>Suspect/Confirmed Hemorrhagic Fever (Ebola) Contact and Droplet Precautions</b> Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a> .**
<b>Duration of Precautions</b>	
Until symptoms resolve <i>and</i> directed by Infection Prevention and Control	
<b>Incubation Period</b>	<b>Period of Communicability</b>
2-21 days	Until all symptoms resolve

(Continued on next page)

Suspected/Known Disease or Microorganism

**Ebola viral disease**

*(Continued from previous page)*

**Comments**

\*Precautions required are in addition to Routine Practices

- **Physician to notify Medical Officer of Health of case by fastest means possible**
- For general information visit the AHS [Ebola webpage](#). Infection Prevention and Control (IPC) & Workplace Health and Safety (WHS) Ebola Virus Disease (EVD) Guidance are based on currently available scientific evidence and guidelines and are subject to review and change as new information becomes available.
- If the patient is deceased, refer to the [Alberta Bodies of Deceased Persons Regulations](#)

\*\* *For complete list of [AGMPs](#)*

**References:** [PHAC \(2015\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b>  <b>Echinococcosis/Hydatidosis – (<i>Echinococcus granulosus</i>,  <i>Echinococcus multilocularis</i>)</b>	
<b>Clinical Presentation</b>  Cyst present in various organs, typically asymptomatic except for noticeable mass. Rupture or leaking cysts can cause anaphylactic reactions or even death.	
<b>Infectious Substances</b>  Worm eggs in feces from infected dogs. Contaminated food, soil, and water. Fur may be contaminated.	<b>How it is Transmitted</b>  Fecal-oral  No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>  Not applicable	
<b>Incubation Period</b>  12 months to years	<b>Period of Communicability</b>  Not applicable
<b>Comments</b>	

**References:** [CDC \(2007\)](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 94

<b>Suspected/Known Disease or Microorganism</b> <b>E. coli Shiga Toxin Producing</b>	
<b>Clinical Presentation</b> Asymptomatic or various infections	
<b>Infectious Substances</b> Depends on location of colonized/infected body sites	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Lab report may identify as AmpC or AmpC producing organism</li> <li>• Lab report may identify as an ESBL or ESBL producing organism</li> <li>• When clusters or outbreaks occur IPC may initiate <b>Contact Precautions</b></li> </ul>	

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 95**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Encephalitis – (Herpes simplex virus [HSV types 1 and 2], enterovirus, arbovirus, and others)</b>	
<b>Clinical Presentation</b>	
Acute onset febrile illness with altered level of consciousness, +/- focal neurological deficits and seizures	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Feces and respiratory secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b>	
<b>ADULT</b>	Not applicable
<b>PEDIATRIC</b>	Until specific etiology established
<b>Incubation Period</b>	<b>Period of Communicability</b>
Not applicable	<b>ADULT:</b> Not applicable <b>PEDIATRIC:</b> Until specific etiology established
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	
<ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• May be associated with measles, mumps, Varicella, <i>Mycoplasma pneumoniae</i>, Epstein-Barr virus (EBV)</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Endometritis (puerperal sepsis) – (<i>Streptococcus</i> Group A)</b>	
<b>Clinical Presentation</b> Abdominal distension or swelling, abnormal vaginal bleeding or discharge, fever, lower abdominal pain	
<b>Infectious Substances</b> Not applicable	<b>How it is Transmitted</b> Not applicable
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b> if invasive Group A <i>Streptococcus</i> suspected
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable except for Invasive Group A <i>streptococcus</i> with 24 hours of antimicrobial therapy
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [CDC \(2007\)](#)



<b>Suspected/Known Disease or Microorganism</b>	
<b>Enterobiasis (pinworm) (oxyuriasis, <i>Enterobius vermicularis</i>)</b>	
<b>Clinical Presentation</b> Nocturnal perianal itching. Occasionally ulcer-like bowel lesions.	
<b>Infectious Substances</b> Ova in perianal region, contaminated fomites	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1-2 months	<b>Period of Communicability</b> Until host colonization no longer occurs
<b>Comments</b> <ul style="list-style-type: none"> <li>• There can be secondary bacterial infection due to the irritation and scratching of the anal area</li> <li>• All household contacts and caretakers of the infected person should be treated at the same time</li> <li>• Careful handling of contaminated linens and undergarments</li> </ul>	

**References:** [CDC \(2007\)](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 98

<b>Suspected/Known Disease or Microorganism</b>	
<b>Enteroviral infections (Echovirus, Coxsackie A &amp; B)</b>	
<b>Clinical Presentation</b> Respiratory tract infection (fever, cold-like symptoms: cough, runny nose, sore throat), headache, upset stomach, diarrhea or skin infections that appear as a rash, blisters or mouth blisters	
<b>Infectious Substances</b> Respiratory secretions, fecal and infective secretions or blister fluid	<b>How it is Transmitted</b> Direct contact, indirect contact and droplet
<b>Precautions Needed*</b>	
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b> 2-10 days	<b>Period of Communicability</b> <b>Contact and Droplet Precautions</b> For adult patients only: Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit-tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**resolution of acute respiratory infection symptoms or return to baseline.
<b>Comments</b> *Precautions required are in addition to <a href="#">Routine Practices</a>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Epiglottitis – (<i>Haemophilus influenzae</i> type B [HIB], <i>Streptococcus</i> Group A, <i>Staphylococcus aureus</i>)</b>	
<b>Clinical Presentation</b> Sore throat, muffling or change in voice, difficulty speaking or swallowing, fever	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<span style="border: 1px solid orange; padding: 2px;"><b>Droplet Precautions</b></span>
<b>Duration of Precautions</b> 24 hours of effective antimicrobial therapy for all identified organisms	
<b>Incubation Period</b> 2-4 days for HIB 1-3 days for Strep A	<b>Period of Communicability</b> Until after 24 hours of effective antimicrobial therapy completed
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified.</li> <li>• <b>Only invasive <i>Haemophilus influenzae</i> type B is considered a notifiable disease</b></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 100**

<b>Suspected/Known Disease or Microorganism</b> <b>Epstein-Barr virus – (Human Herpes virus 4)</b>	
<b>Clinical Presentation</b> Infectious mononucleosis; fever, sore throat, lymphadenopathy, splenomegaly, rash	
<b>Infectious Substances</b> Saliva, transplanted organs and stem cells, blood, semen	<b>How it is Transmitted</b> Direct oropharyngeal route via saliva; transplantation
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 30-50 days	<b>Period of Communicability</b> Prolonged; pharyngeal excretion “may be intermittent or persistent for years”
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 101**

<b>Suspected/Known Disease or Microorganism</b> <b>Erysipelas – (Streptococcus Group A)</b>	
<b>Clinical Presentation</b> Purulent inflammation of cellular or subcutaneous tissue	
<b>Infectious Substances</b> Wound drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Until drainage resolved or contained by dressing	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b>  <b>Extended-spectrum Beta-lactamase producers (ESBL) –          AmpC Beta-lactamase producers (AmpC), <i>E. coli</i>, <i>Klebsiella</i> spp.,          others</b>	
<b>Clinical Presentation</b> Asymptomatic or various infections	
<b>Infectious Substances</b> Depends on location of colonized/infected body sites	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Lab report may identify as AmpC or AmpC producing organism</li> <li>• Lab report may identify as an ESBL or ESBL producing organism</li> <li>• When clusters or outbreaks occur IPC may initiate <b>Contact Precautions</b></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 103**

<b>Suspected/Known Disease or Microorganism</b> <b><i>Escherichia coli</i> O157: H7</b>	
<b>Clinical Presentation</b> Diarrhea, stomach cramps, vomiting, hemolytic uremic syndrome (HUS), thrombotic thrombocytopenic purpura	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Ingestion of contaminated food, direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Contact Precautions</b>  If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul> If HUS: please see <a href="#">Hemolytic-uremic syndrome (HUS)</a>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours and after at least one normal or formed bowel movement OR patient is continent. If HUS: Until two (2) successive negative stool samples for <i>E. coli</i> O157: H7 or 10 days after onset of diarrhea and symptoms have resolved.	
<b>Incubation Period</b> 10 hours to 10 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <a href="#">Routine Practices</a> <ul style="list-style-type: none"> <li>• A wide variety of foods have been associated with <i>E. coli</i> O157:H7 including raw and undercooked beef, unpasteurized apple juice, cider, milk (raw) and raw milk products, untreated drinking water; and contaminated raw uncooked fruit and vegetables.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

## F

Febrile respiratory illness, Acute respiratory tract infection –

Rhinovirus

Respiratory syncytial virus, [RSV]

Parainfluenza virus

Influenza

Adenovirus

Coronavirus

*Bordetella pertussis*

*Mycoplasma pneumoniae*

Fever unknown origin, fever without focus (acute) – (many bacteria, viruses, fungi)

Food poisoning – (*Bacillus cereus*, *Clostridium perfringens*, *Staphylococcus aureus*, *Salmonella* spp., *Vibrio parahaemolyticus*, *Escherichia coli* O157: H7), *Listeria monocytogenes*, *Toxoplasma gondii*, *Bacillus* spp.)



<b>Suspected/Known Disease or Microorganism</b>  <b>Febrile respiratory illness, Acute respiratory tract infection –</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <u>Rhinovirus</u>  <u>Respiratory Syncytial Virus, [RSV]</u>  <u>Parainfluenza virus</u>  <u>Influenza</u> </td> <td style="width: 50%; border: none; vertical-align: top;"> <u>Adenovirus</u>  <u>Coronavirus</u>  <u>Bordetella pertussis</u>  <u>Mycoplasma pneumoniae</u> </td> </tr> </table>		<u>Rhinovirus</u> <u>Respiratory Syncytial Virus, [RSV]</u> <u>Parainfluenza virus</u> <u>Influenza</u>	<u>Adenovirus</u> <u>Coronavirus</u> <u>Bordetella pertussis</u> <u>Mycoplasma pneumoniae</u>
<u>Rhinovirus</u> <u>Respiratory Syncytial Virus, [RSV]</u> <u>Parainfluenza virus</u> <u>Influenza</u>	<u>Adenovirus</u> <u>Coronavirus</u> <u>Bordetella pertussis</u> <u>Mycoplasma pneumoniae</u>		
<b>Clinical Presentation</b> Fever, cough, runny nose, sneezing			
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets		
<b>Precautions Needed*</b>	<div style="border: 1px solid orange; padding: 2px; display: inline-block;"><b>Contact and Droplet Precautions</b></div>		
	<div style="border: 1px solid orange; padding: 2px; display: inline-block;"><b>Droplet Precautions</b></div> - <i>Bordetella pertussis</i> , <i>Mycoplasma pneumonia</i>		
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to comments or clinical presentation for examples of symptoms.			
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Duration of symptoms		
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• Contact Infection Prevention and Control for cohorting considerations - may cohort individuals infected with the same virus once identified</li> <li>• Minimize exposure of immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients <b>should not</b> be cohorted. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>• Patients may have prolonged post-viral dry cough for weeks but this may not represent ongoing acute illness</li> </ul>			

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Conditions Table**  
**Recommendations for Management of Patients**  
**Acute Care | 106**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Fever unknown origin, fever without focus (acute) – (many bacteria, viruses, fungi)</b>	
<b>Clinical Presentation</b> Fever	
<b>Infectious Substances</b> Feces and respiratory secretions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b>	
<b>ADULT</b>	Not applicable
<b>PEDIATRIC</b>	Variable, depending on etiology
<b>Incubation Period</b> <b>ADULT</b> - Not applicable <b>PEDIATRIC</b> - Variable	<b>Period of Communicability</b> <b>ADULT</b> - Not applicable <b>PEDIATRIC</b> - Variable, depending on etiology of illness
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• For outbreaks: Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>, OR <u>AHS Guidelines for Outbreak Prevention, Control and Management in Supportive Living and Home Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 107

<b>Suspected/Known Disease or Microorganism</b>  <b>Food poisoning – (<i>Bacillus cereus</i>, <i>Clostridium perfringens</i>, <i>Staphylococcus aureus</i>, <i>Salmonella</i> spp., <i>Vibrio parahaemolyticus</i>, <i>Escherichia coli</i> O157: H7), <i>Listeria monocytogenes</i>, <i>Toxoplasma gondii</i>, <i>Bacillus</i> spp.)</b>	
<b>Clinical Presentation</b> Nausea, vomiting, diarrhea, abdominal cramps/pain	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Foodborne, direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
	<b>Contact and Droplet Precautions</b> If actively vomiting
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#)

## G

- Gas gangrene (*Clostridium* spp.)
- GAS – Group A *Streptococcus* (*Streptococcus pyogenes*) –
  - Skin infection
  - Invasive iGAS (iGAS)
  - Necrotizing fasciitis
  - Scarlet fever
  - Pharyngitis
  - Toxic shock syndrome
- Gastroenteritis – (several bacteria, viruses, parasites)
- German measles
- Giardiasis (*Giardia lamblia*)
- Gonococcus (*Neisseria gonorrhoeae*)
- Guillain-Barré syndrome

IPC Diseases and Conditions Table  
 Recommendations for Management of Patients  
 Acute Care | 109

<b>Suspected/Known Disease or Microorganism</b> <b>Gas gangrene (<i>Clostridium</i> spp.)</b>	
<b>Clinical Presentation</b> Crepitus abscesses myonecrosis	
<b>Infectious Substances</b> Normal gut flora, soil	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed*</b>	<b>Contact Precautions</b> if wound drainage present and not contained by dressing
<b>Duration of Precautions</b> If on <b>Contact Precautions</b> , discontinue isolation when drainage is contained by dressings	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

Suspected/Known Disease or Microorganism	Skin Infection	Invasive GAS (iGAS)	Scarlet Fever	Pharyngitis	Toxic shock syndrome
<b>GAS – Group A <i>Streptococcus</i> (<i>Streptococcus pyogenes</i>) –</b>					
<b>Clinical Presentation</b>	Wound or burn infection, skin infection, impetigo, cellulitis	Pneumonia, epiglottitis, meningitis, bacteremia, septic arthritis, necrotizing fasciitis, myonecrosis, toxic shock syndrome	Pharyngitis, “slapped cheek” rash, lace-like trunk and extremities rash, arthropathy in adults	Sneezing, coughing, fever, headache, sore throat	High fever, diffuse macular rash, hypotension, multisystem organ involvement
<b>Infectious Substances</b>	Infected body fluids	Respiratory secretions and wound drainage	Respiratory secretions		Skin exudates and drainage if wounds or skin lesions present
<b>How it is Transmitted</b>	Direct contact and indirect contact	Direct contact and indirect contact and large droplets	Large droplets	Direct contact and indirect contact and large droplets	Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Contact Precautions</b> if wound drainage present and not contained by dressing	<b>Contact and Droplet Precautions</b>	<b>ADULT -</b> <b>PEDIATRIC - <u>Contact and Droplet Precautions</u></b>	<b>ADULT -</b> <b><u>Droplet Precautions</u></b> - If unable to cover cough <b>PEDIATRIC - <u>Contact and Droplet Precautions</u></b>	<b>Contact Precautions</b> – if wounds or skin lesions present and not contained by dressings
<b>Duration of Precautions</b>	Until 24 hours of effective antimicrobial therapy completed		<b>ADULT -</b> Not applicable <b>PEDIATRIC -</b> Until 24 hours of effective antimicrobial therapy completed	Variable depending on organism until 24 hours of effective antimicrobial therapy completed	Until drainage is contained
<b>Incubation Period</b>	Variable	Typically 1-3 days	2-5 days	Variable	
<b>Period of Communicability</b>	Until 24 hours of effective antimicrobial therapy completed	10-21 days in untreated, uncomplicated cases  Until 24 hours of effective antimicrobial therapy completed	While organism present in respiratory secretions (10-21 days if not treated)  Until 24 hours of effective antimicrobial therapy completed	<b>ADULT -</b> Until acute symptoms resolve <b>PEDIATRIC -</b> Until acute symptoms resolve  If Group A <i>Streptococcus</i> - Until 24 hours of effective antimicrobial therapy completed	Variable
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Precautions required are in addition to <u>Routine Practices</u>.</li> <li>• Physician to notify Medical Officer of Health of case by fastest means possible</li> <li>• Invasive: (Definition) The presence of a microorganism in an otherwise sterile site. (E.g., bloodstream, cerebrospinal fluid, etc.)</li> <li>• Exposed contacts of invasive disease may require prophylaxis</li> <li>• If the patient is deceased, refer to the <u>Alberta Bodies of Deceased Persons Regulations</u>.</li> <li>• NOTE: All other <i>Streptococcus</i> species are managed with <u>Routine Practices</u></li> </ul>				

References: [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 111**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Gastroenteritis – (several bacteria, viruses, parasites)</b>	
<b>Clinical Presentation</b> Diarrhea and/or vomiting	
<b>Infectious Substances</b> Feces, emesis	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
	<b>Contact and Droplet Precautions</b> If actively vomiting
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours and after at least one normal or formed bowel movement OR patient is continent and infectious cause ruled out	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• For outbreaks: Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>, OR <u>AHS Guidelines for Outbreak Prevention, Control and Management in Supportive Living and Home Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#), [Public Health England \(2017\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 112**

<b>Suspected/Known Disease or Microorganism</b> <b>Giardiasis (<i>Giardia lamblia</i>)</b>	
<b>Clinical Presentation</b> Diarrhea, abdominal cramps, bloating, flatulence, dehydration	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 5-25 weeks	<b>Period of Communicability</b> 2-6 weeks, may continue for months
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



<b>Suspected/Known Disease or Microorganism</b> <b>Gonococcus (<i>Neisseria gonorrhoeae</i>)</b>	
<b>Clinical Presentation</b> Ophthalmia neonatorum, gonorrhoea, arthritis, pelvic inflammatory disease	
<b>Infectious Substances</b> Exudates from lesions	<b>How it is Transmitted</b> Mother to child, sexual contact and rarely direct/indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-7 days	<b>Period of Communicability</b> May extend for months in untreated individuals
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Guillain-Barré syndrome</b>	
<b>Clinical Presentation</b> Acute infective polyneuritis with motor weakness and abolition of tendon reflexes	
<b>Infectious Substances</b> Not applicable	<b>How it is Transmitted</b> Not applicable
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>May follow within weeks of a respiratory or gastrointestinal infection, e.g., <i>Mycoplasma pneumoniae</i>, <i>Campylobacter jejuni</i></li> </ul>	

**References:** [CDC \(2015\)](#)

## H

*Haemophilus Influenzae* type B (HIB) – invasive disease – Osteomyelitis

Hansen's Disease

Hantavirus

*Helicobacter pylori*

Hemolytic uremic syndrome (HUS) – (may be associated with *Escherichia coli* O157: H7)

Hemorrhagic fever acquired in identified endemic geographic location – (Ebola virus, Lassa virus, Marburg virus, others)

Hepatitis – A, E

Hepatitis – B, C, D, and other unspecified non-A, non-B

Herpangina (vesicular pharyngitis) – (Enterovirus)

Herpes simplex –

    Mucocutaneous – primary and extensive or disseminated

    Mucocutaneous – recurrent

    Neonatal

    Type 1 (HSV-1) – gingivostomatitis, mucocutaneous

Herpes zoster

Histoplasmosis (*Histoplasma capsulatum*)

Human immunodeficiency virus (HIV)

Human metapneumovirus (HMPV)

<b>Suspected/Known Disease or Microorganism</b>	
<b><i>Haemophilus Influenzae</i> type B (HIB) – invasive disease – Osteomyelitis</b>	
<b>Clinical Presentation</b>	
<b><i>Haemophilus Influenzae</i> type B (HIB):</b>	Pneumonia, epiglottitis, meningitis, bacteremia, septic arthritis, cellulitis
<b>Osteomyelitis:</b>	Inflammation, fever, wound drainage
<b>Infectious Substances</b> Respiratory secretions if HIB	<b>How it is Transmitted</b> Direct contact and large droplets if HIB
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Droplet Precautions</b> if HIB suspected or confirmed
<b>Duration of Precautions</b>	
<b>ADULT</b>	Not applicable
<b>PEDIATRIC</b>	Until 24 hours of effective antimicrobial therapy completed
<b>Incubation Period</b> Approximately 2-4 days	<b>Period of Communicability</b> If HIB, infectious in the week prior to onset of illness and during the illness until treated.  HIB is communicable until 24 hours of effective antimicrobial therapy completed.

(Continued on next page)

Suspected/Known Disease or Microorganism

***Haemophilus Influenzae* type B (HIB) – invasive disease –  
Osteomyelitis**

*(Continued from previous page)*

**Comments**

\*Precautions required are in addition to Routine Practices

- **Physician to Notify Medical Officer of Health of case by fastest means possible**
- Consult physician regarding chemoprophylaxis for close contacts <48 months old, who are not immune.
- Household contacts of infected children should also receive prophylaxis
- Masks recommended for visitors who will have extensive close contact with non-immune infants.
- Invasive *Haemophilus influenzae* type B is a notifiable disease

**References:** [CDC \(2007\)](#) [PHAC \(2012\)](#) [PHAC \(2014\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Hantavirus</b>	
<b>Clinical Presentation</b> Fever, fatigue, muscle aches, pneumonia	
<b>Infectious Substances</b> Acquired from inhalation of rodent droppings, urine, and saliva	<b>How it is Transmitted</b> Except for the Andes hantavirus, the virus does not spread through person-to-person contact  Person-to-person transmission is very rare
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Symptoms may develop between 1 and 5 weeks after exposure	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Physician to notify Medical Officer of Health of case by fastest means possible</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 119

<b>Suspected/Known Disease or Microorganism</b> <i>Helicobacter pylori</i>	
<b>Clinical Presentation</b> Gastritis, duodenal and gastric ulcers	
<b>Infectious Substances</b> Stool and gastric biopsies	<b>How it is Transmitted</b> Direct contact (possibly oral-fecal or fecal-oral) Transmission may also occur through food-borne, airborne, or waterborne pathways, as the water sewage system has been found to be an agent of dissemination
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-10 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Humans are likely the major reservoir.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Hemolytic uremic syndrome (HUS) – (may be associated with <i>Escherichia coli</i> O157: H7)</b>	
<b>Clinical Presentation</b> Diarrhea, hemolytic-uremic syndrome (HUS), thrombocytopenia purpura Symptoms of HUS vary. Patients may present with seizures, stroke, kidney issues, blood transfusion requirements	
<b>Infectious Substances</b> Feces and respiratory secretions	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> If HUS: Until two (2) successive negative stool samples for <i>E. coli</i> O157: H7 or 10 days after onset of diarrhea and symptoms have resolved.	
<b>Incubation Period</b> Most <i>E. coli</i> strains, 10 hours to 6 days <i>E. coli</i> O157:H7, 1-10 days	<b>Period of Communicability</b> Until 2 stools are negative for <i>E. coli</i> O157:H7 or 10 days after onset of diarrhea
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• A wide variety of foods have been associated with <i>E. coli</i> O157:H7 including raw and undercooked beef, unpasteurized apple juice, cider, milk (raw) and raw milk products, untreated drinking water; and contaminated raw uncooked fruit and vegetables.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



<b>Suspected/Known Disease or Microorganism</b>  <b>Hemorrhagic fever acquired in identified endemic geographic location – (Ebola virus, Lassa virus, Marburg virus, others)</b>	
<b>Clinical Presentation</b> Variable. Often fever, fatigue, dizziness, muscle aches, exhaustion. Signs of bleeding under the skin, internal organs, or other body orifices.  History of travel and/or contact with persons and non-human primates from endemic countries must be considered at triage.	
<b>Infectious Substances</b> Blood, bloody body fluids and respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<div style="border: 1px solid black; padding: 5px;"> <b>Contact and Droplet Precautions</b>          Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a>.**       </div>
Refer to the <a href="#">Contact and Droplet Precautions Suspect/Confirmed Ebola Virus Disease</a> Single-patient room and dedicated bathroom is required. Room door to remain closed to limit access to room. Refer to the <a href="#">PPE Requirements for Suspect/Confirmed Ebola Virus Disease</a> for details on donning, doffing and disposal of PPE. Post donning posters for PPE used on the wall of the Donning/Doffing room. Maintain a log of all people entering the patient's room.	
<b>Duration of Precautions</b> Until symptoms resolve <i>and</i> directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <a href="#">Routine Practices</a> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• For general information visit the AHS <a href="#">Ebola webpage</a>. Infection Prevention and Control (IPC) &amp; Workplace Health and Safety (WHS) Ebola Virus Disease (EVD) Guidance are based on currently available scientific evidence and guidelines and are subject to review and change as new information becomes available.</li> <li>• If the patient is deceased, refer to the <a href="#">Alberta Bodies of Deceased Persons Regulations</a></li> </ul> ** <b>For complete list of <a href="#">AGMPs</a></b>	

**References:** [PHAC \(2015\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 122**

<b>Suspected/Known Disease or Microorganism</b> <b>Hepatitis – A, E</b>	
<b>Clinical Presentation</b> Hepatitis, anicteric acute febrile illness	
<b>Infectious Substances</b> Feces and fecal-contaminated food or water	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b>	
<b>ADULT</b>	Until one week after onset of jaundice
<b>PEDIATRIC</b>	Children 3-14yrs of age - for 2 weeks after onset of symptoms  Children >14yrs of age - for 1 week after onset of symptoms
<b>Incubation Period</b> Hepatitis A: 28-30 days (range 15-50 days) Hepatitis E: 26-42 days	<b>Period of Communicability</b> Hepatitis A: Two (2) weeks before to one (1) week after onset of symptoms; shedding is prolonged in the newborn (up to 6 months)  Hepatitis E: fecal shedding continues at least two (2) weeks

*(Continued on next page)*

Suspected/Known Disease or Microorganism

## Hepatitis – A, E

*(Continued from previous page)*

### Comments

\*Precautions required are in addition to Routine Practices

- **Physician to Notify Medical Officer of Health of case by fastest means possible**
- Virus excretion in stool has been demonstrated from 1 week prior to onset up to 30 days after the onset of jaundice
- Post-exposure prophylaxis indicated for non-immune contacts with significant exposure to Hepatitis A, if within two weeks of exposure

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b>	
<b>Hepatitis – B, C, D, and other unspecified non-A, non-B</b>	
<b>Clinical Presentation</b> Often asymptomatic; hepatitis	
<b>Infectious Substances</b> Blood and certain body fluids, including saliva, semen, cerebrospinal fluid, vaginal, synovial, pleural, peritoneal, pericardial, amniotic fluids	<b>How it is Transmitted</b> Mucosal or percutaneous exposure to infective body fluids includes mom to newborn
<b>Precautions Needed</b>	<b>Routine Practices</b> Please note: patients in Hemodialysis centers may require additional precautions**
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Weeks to 6 months	<b>Period of Communicability</b> From onset of infection
<b>Comments</b> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• If the patient is deceased, refer to the <a href="#">Alberta Bodies of Deceased Persons Regulations</a></li> <li>• Contact Workplace Health and Safety (WHS) immediately if healthcare provider has percutaneous, non-intact skin or mucous membrane exposure</li> </ul> <p>**Please contact Infection Prevention and Control –          Refer to: <a href="#">Recommendations for Preventing Transmission of Infections Among Chronic Hemodialysis Patients</a></p>	

**References:** [PHAC \(2015\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 125

<b>Suspected/Known Disease or Microorganism</b> <b>Herpangina (vesicular pharyngitis) – (Enterovirus)</b>	
<b>Clinical Presentation</b> Fever, headache, loss of appetite, sore throat, ulcers in mouth and throat	
<b>Infectious Substances</b> Feces, respiratory secretions, blister fluid	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b>	
<b>ADULT</b>	Not Applicable
<b>PEDIATRIC</b>	Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene
<b>Incubation Period</b> 3-6 days for non-poliovirus	<b>Period of Communicability</b> Duration of symptoms
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

Suspected/Known Disease or Microorganism <b>Herpes simplex –</b>	<b>Herpes simplex Mucocutaneous primary and extensive or disseminated</b>	<b>Herpes simplex Mucocutaneous – recurrent</b>	<b>Herpes simplex Neonatal</b>	<b>Herpes simplex Type 1 (HSV-1) – Gingivostomatitis, mucocutaneous</b>
<b>Clinical Presentation</b>	Disseminated or primary and extensive	Not Applicable	Not Applicable	Gingivostomatitis: Fever, redness and swelling of gingivae and oral mucosa, ulcerative lesions  Mucocutaneous: Disseminated or primary and extensive
<b>Infectious Substances</b>	Skin or mucosal lesions, oral secretions, genital secretions	Skin or mucosal lesions, oral secretions	Mucosal lesions; possibly all body secretions and excretions	Oral secretions membranes Skin or mucosal lesions
<b>How it is Transmitted</b>	Direct contact (sexual, mother to child at birth)	Direct contact with herpetic lesions or secretions  Virus may also be shed when patient is asymptomatic	Direct contact	
<b>Precautions Needed*</b>	<b>Contact Precautions</b>	<b>Routine Practices</b>	<b>Contact Precautions</b> for infants delivered vaginally (or by C-section if membranes have been ruptured more than 4 hours) to women with active genital HSV infections	<b>Contact Precautions</b>
<b>Duration of Precautions</b>	Until lesions resolve	Not Applicable	Birth to 6 weeks of age	Until lesions resolve
<b>Incubation Period</b>	2 days to 2 weeks	Not Applicable	Duration of symptoms, until lesions are dry and crusted Until neonatal HSV infection has been ruled out for asymptomatic exposed infants delivered vaginally (or by C-section if membranes have been ruptured more than 4 hours) to women with active genital HSV infections	2 days to 2 weeks
<b>Period of Communicability</b>	While lesions present	Not Applicable	Duration of symptoms	While lesions present
<b>Comments</b>	<p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>A patient with herpetic lesions should not be roomed with newborns, children with eczema, burned patients or immunocompromised patients.</li> </ul> <p>Refer to: <a href="http://www.albertahealthservices.ca/assets/healthinfo/ipc/hi-ipc-immunocompromised-patients.pdf">http://www.albertahealthservices.ca/assets/healthinfo/ipc/hi-ipc-immunocompromised-patients.pdf</a></p>			

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 127

<b>Suspected/Known Disease or Microorganism</b> <b>Histoplasmosis (<i>Histoplasma capsulatum</i>)</b>	
<b>Clinical Presentation</b> Pneumonia, lymphadenopathy, fever	
<b>Infectious Substances</b> Acquired from spores in soil	<b>How it is Transmitted</b> Inhalation of spores Rarely person-to-person transmission, sometimes occurs with organ transplantation
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-17 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 128**

<b>Suspected/Known Disease or Microorganism</b> <b>Human immunodeficiency virus (HIV)</b>	
<b>Clinical Presentation</b> Asymptomatic; multiple clinical presentations	
<b>Infectious Substances</b> Blood and body fluids including cerebrospinal fluid, semen, vaginal, synovial, pleural, peritoneal, pericardial, and amniotic fluids and breast milk	<b>How it is Transmitted</b> Mucosal or percutaneous exposure to infective body fluids, sexual transmission, mother to child
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Weeks to years	<b>Period of Communicability</b> From onset of infection, until death
<b>Comments</b> <ul style="list-style-type: none"> <li>• If the patient is deceased, refer to the <a href="#">Alberta Bodies of Deceased Persons Regulations</a></li> <li>• Contact Workplace Health and Safety immediately if healthcare provider has percutaneous, non-intact skin or mucous membrane exposure</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 129**

<b>Suspected/Known Disease or Microorganism</b> <b>Human metapneumovirus (HMPV)</b>	
<b>Clinical Presentation</b> Cough, fever, nasal congestion, shortness of breath	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b> For adult patients only: Wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b> 3-5 days	<b>Period of Communicability</b> Duration of symptoms
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Contact Infection Prevention and Control for discontinuation of precautions</li> <li>• Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>• Immunocompromised patient additional precautions need to be maintained for a longer duration due to prolonged viral shedding.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 130

I

Impetigo – (*Staphylococcus aureus*, *Streptococcus* Group A – many other bacteria)

Influenza – new pandemic strain

Influenza – seasonal

Invasive GAS (iGAS)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 131

<b>Suspected/Known Disease or Microorganism</b> <b>Impetigo – (<i>Staphylococcus aureus</i>, <i>Streptococcus</i> Group A – many other bacteria)</b>	
<b>Clinical Presentation</b> Skin lesions	
<b>Infectious Substances</b> Drainage from lesions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Variable	
<b>Incubation Period</b> Variable, depending on causative organism	<b>Period of Communicability</b> As long as organism in drainage
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 132**

<b>Suspected/Known Disease or Microorganism</b> <b>Influenza – new pandemic strain</b>	
<b>Clinical Presentation</b> Fever, cough, muscle aches, fatigue, sore throat, pneumonia	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact, droplets and airborne particles
<b>Precautions Needed*</b>	<b><u>Pandemic Influenza Precautions:</u></b>
	Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**
<b>Duration of Precautions</b> Duration of precautions will be determined on a case-by-case basis and in conjunction with Infection Prevention and Control, and the Medical Officer of Health.	
<b>Incubation Period</b> Unknown, possibly 1-7 days	<b>Period of Communicability</b> Unknown
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• If private room is unavailable, consider cohorting patients during outbreaks</li> <li>• Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>• Immunocompromised patient additional precautions need to be maintained for a longer duration due to prolonged viral shedding. Contact Infection Prevention and Control for discontinuation of precautions.</li> <li>• Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> <li>• ** <i>For complete list of <a href="#">AGMPs</a></i></li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 133**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Influenza – seasonal</b>	
<b>Clinical Presentation</b> Fever, cough, muscle aches, fatigue, sore throat, runny nose, sneezing	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed</b>	<b>Contact and Droplet Precautions</b> Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a> .**
<b>Duration of Precautions</b> Until symptom resolution/improvement to pre-existing or new baseline for at least 48 hours. Refer to <a href="#">Discontinuation of Additional Precautions for Suspected or Confirmed Respiratory Virus Infection</a> .	
<b>Incubation Period</b> 1-3 days	<b>Period of Communicability</b> Duration of symptoms
<b>Comments</b> <p>*Precautions required are in addition to <a href="#">Routine Practices</a></p> <ul style="list-style-type: none"> <li>• If private room is unavailable, consider cohorting patients during outbreaks</li> <li>• Minimize exposure of immunocompromised patients, children with chronic cardiac or lung disease, neonates</li> <li>• Patients may have prolonged post-viral dry cough for weeks but this may not represent ongoing acute illness</li> <li>• For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: <a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></li> <li>• Contact Infection Prevention and Control for discontinuation of precautions</li> </ul> <p>** <b>For complete list of AGMPs</b></p>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**J**

No organisms at this time

**K**

*Klebsiella* spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli

**L**

Lassa fever (Lassa virus)

Legionella (*Legionella* spp.) – Legionnaires' disease

Leprosy (*Mycobacterium leprae*) – (Hansen's disease)

Leptospirosis (*Leptospira* spp.)

Lice

Listeriosis (*Listeria monocytogenes*)

Lyme disease (*Borrelia burgdorferi*)

Lymphocytic choriomeningitis (LCM) virus

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 135**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Lassa fever (Lassa virus)</b>	
<b>Clinical Presentation</b> Gradual onset of fever, malaise, weakness, headache, pharyngitis, cough, nausea and vomiting. Disease may progress to hemorrhaging (in gums, eyes, or nose), respiratory distress, repeated vomiting, facial swelling, pain in the chest, back, and abdomen, shock and deafness. History of travel and/or contact with persons and non-human primates from endemic countries must be considered at triage.	
<b>Infectious Substances</b> Blood and body fluids, respiratory secretions, possibly urine and stool	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
Refer to the <a href="#">Contact and Droplet Precautions Suspect/Confirmed Ebola Virus Disease</a> Single-patient room and dedicated bathroom is required. Room door to remain closed to limit access to room.  Refer to the <a href="#">PPE Requirements for Suspect/Confirmed Ebola Virus Disease</a> for details on donning, doffing and disposal of PPE. Post donning posters for PPE used on the wall of the Donning/Doffing room.  Maintain a log of all people entering the patient's room.	<b>Contact and Droplet Precautions</b>  Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a> .**
<b>Duration of Precautions</b> Until symptoms resolve <i>and</i> directed by Infection Prevention and Control	
<b>Incubation Period</b> 5-21 days	<b>Period of Communicability</b> Until 3-9 weeks after onset

(Continued on next page)

Suspected/Known Disease or Microorganism

**Lassa fever (Lassa virus)**

*(Continued from previous page)*

**Comments**

\*Precautions required are in addition to Routine Practices

- **Physician to Notify Medical Officer of Health of case by fastest means possible**
- For general information visit the AHS [Ebola webpage](#).
- Infection Prevention and Control (IPC) & Workplace Health and Safety (WHS) Ebola Virus Disease (EVD) Guidance are based on currently available scientific evidence and guidelines and are subject to review and change as new information becomes available
- If the patient is deceased, refer to the [Alberta Bodies of Deceased Persons Regulations](#)

\*\* **For complete list of [AGMPs](#)**

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 137**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Legionella (<i>Legionella</i> spp.) – Legionnaires’ disease</b>	
<b>Clinical Presentation</b>	
Severe pneumonia, muscle aches, tiredness, headaches, dry cough and fever Sometimes diarrhea occurs and confusion may develop	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Contaminated water	Acquired from contaminated water by inhalation or aspiration No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
2-14 days	Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Leprosy (<i>Mycobacterium leprae</i>) – Hansen’s disease</b>	
<b>Clinical Presentation</b> Chronic disease of skin, nerves, joints, and nasopharyngeal mucosa; loss of sensation on affected areas of skin	
<b>Infectious Substances</b> Nasal and respiratory secretions	<b>How it is Transmitted</b> Direct contact (requires prolonged and extensive personal contact)
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1-20 years	<b>Period of Communicability</b> Until treatment is established
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 139

<b>Suspected/Known Disease or Microorganism</b> <b>Leptospirosis (<i>Leptospira</i> spp.)</b>	
<b>Clinical Presentation</b> Fever, jaundice, aseptic meningitis, headache, chills, muscle pain	
<b>Infectious Substances</b> Leptospire may be excreted in urine for usually 1 month but has been observed as long as 11 months after the acute illness	<b>How it is Transmitted</b> Through skin contact with urine or tissues of infected animals or water contaminated with the urine of infected animals  Rare person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-26 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 140**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Listeriosis (<i>Listeria monocytogenes</i>)</b>	
<b>Clinical Presentation</b>	
Fever, muscle aches, meningitis, diarrhea/gastrointestinal symptoms, congenital or neonatal infection	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Contaminated food	Foodborne: Acquired from ingestion of contaminated food  Congenital transmission: mother to fetus in utero or newborn at birth  Rare person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Average 21 days	Not applicable
<b>Comments</b>	
<ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health</b></li> <li>• Rare nosocomial outbreaks reported in newborn nurseries attributed to contaminated equipment or materials</li> <li>• Although relatively rare, human listeriosis is often severe and mortality rates can approach 50%  <a href="https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/listeria-monocytogenes.html">https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/listeria-monocytogenes.html</a></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 141**

<b>Suspected/Known Disease or Microorganism</b> <b>Lyme disease (<i>Borrelia burgdorferi</i>)</b>	
<b>Clinical Presentation</b> Fever, arthritis, meningitis, headache, fatigue, characteristic skin rash called erythema migraines	
<b>Infectious Substances</b> Infected tick bite	<b>How it is Transmitted</b> Tick-borne (blacklegged or deer ticks) No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Rash occurs in 3-30 days after exposure	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health.</b></li> <li>• Infection in humans is incidental and is acquired most frequently during blood feeding by the infected tick. In most cases, the tick must be attached for 36-48 hours or more before the Lyme disease bacterium can be transmitted. Infected people are often unaware that they have been bitten.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 142**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Lymphocytic choriomeningitis (LCM) virus</b>	
<b>Clinical Presentation</b>	
Fever, cough, malaise, myalgia, headache, photophobia, nausea, vomiting, adenopathy, and sore throat. Progression to meningitis, encephalitis, meningoencephalitis	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
	Through skin or mucous membrane contact with rodents, inhalation of aerosolised virus (through dust), ingestion of contaminated food  Congenital transmission: mother to fetus in utero  No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
8-13 days, 15-21 days before any meningeal symptoms appear	Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

## M

Malaria (*Plasmodium* spp.)

Marburg virus

Measles

Meningitis

Metapneumovirus

Methicillin-resistant *Staphylococcus aureus* (MRSA)

MERS CoV – (Middle East respiratory syndrome, severe acute respiratory syndrome, SARS CoV, coronavirus)

Molluscum contagiosum (molluscum contagiosum virus)

Mpox (monkeypox)

Mononucleosis

Morganella spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli

Mucormycosis (phycomycosis, zygomycosis) – (*Mucor* spp., *Zygomycetes* spp., *Rhizopus* spp.)

Multidrug-resistant (MDR)\* gram-negative bacilli

Mumps (mumps virus) – Known case, Exposed susceptible

Mycobacterium tuberculosis

Mycobacterium – non-tuberculosis (atypical) (e.g., *Mycobacterium avium* complex)

*Mycoplasma pneumoniae*

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 144

<b>Suspected/Known Disease or Microorganism</b> <b>Malaria (<i>Plasmodium</i> spp.)</b>	
<b>Clinical Presentation</b> Fever, chills, body aches, headache, general malaise (these are symptoms common to a range of infections, recent travel history must be considered)	
<b>Infectious Substances</b> Blood	<b>How it is Transmitted</b> Mosquito bite Rare person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• Infection in humans is incidental and is acquired most frequently during blood feeding by the infected mosquito</li> <li>• Can be transmitted via blood transfusion</li> <li>• <b>Physician to Notify Medical Officer of Health</b></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2015\)](#)



**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 145**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Marburg virus</b>	
<b>Clinical Presentation</b>	
<p>Fever, myalgias, pharyngitis, nausea, vomiting and diarrhea. Maculopapular rash after day 5 of onset of symptoms and Hemorrhagic fever in late clinical presentation.</p> <p>History of travel and/or contact with persons and non-human primates from endemic countries must be considered at triage.</p>	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Blood, body fluids and respiratory secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<p>Refer to the <a href="#">Contact and Droplet Precautions Suspect/Confirmed Ebola Virus Disease</a></p> <p>Single-patient room and dedicated bathroom is required. Room door to remain closed to limit access to room.</p> <p>Refer to the <a href="#">PPE Requirements for Suspect/Confirmed Ebola Virus Disease</a> for details on donning, doffing and disposal of PPE. Post donning posters for PPE used on the wall of the Donning/Doffing room.</p> <p>Maintain a log of all people entering the patient's room.</p>	<p style="text-align: center;"><b>Contact and Droplet Precautions</b></p> <p>Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a>.**</p>
<b>Duration of Precautions</b>	
Until symptoms resolve <i>and</i> directed by Infection Prevention and Control	
<b>Incubation Period</b>	<b>Period of Communicability</b>
5-10 days	Until all symptoms resolve

(Continued on next page)

Suspected/Known Disease or Microorganism

**Marburg virus**

*(Continued from previous page)*

**Comments**

\*Precautions required are in addition to Routine Practices

- **Physician to notify Medical Officer of Health of case by fastest means possible**
- For general information visit the AHS [Ebola webpage](#)
- Infection Prevention and Control (IPC) & Workplace Health and Safety (WHS) Ebola Virus Disease (EVD) Guidance are based on currently available scientific evidence and guidelines and are subject to review and change as new information becomes available
- If the patient is deceased, refer to the [Alberta Bodies of Deceased Persons Regulations](#)

\*\* *For complete list of [AGMPs](#)*

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 147

<p>Suspected/Known Disease or Microorganism</p> <p><b>Meningitis</b> Various causative agents:</p> <p>VIRAL: <u>Enterovirus, Arbovirus</u></p> <p>FUNGAL: <u>Cryptococcus neoformans, Histoplasma capsulatum</u></p>		<p><b>BACTERIAL:</b> <u>Neisseria meningitidis,</u> <u>H. influenzae type B (possible in non-immune infant younger than 2 years)</u> <u>Streptococcus pneumoniae,</u> <u>Streptococcus Group B,</u> <u>Listeria monocytogenes,</u> <u>E. coli and other Gram-negative rods,</u> <u>Mycobacterium tuberculosis</u></p>
<p><b>Clinical Presentation</b></p> <p>Acute onset of meningeal symptoms commonly including headache, photophobia, stiff neck, vomiting, fever, and/or rash</p>		
<p><b>Infectious Substances</b></p> <p>Respiratory secretions and Feces (in viral meningitis)</p>	<p><b>How it is Transmitted</b></p> <p>Bacterial: Direct contact; droplet Viral: Direct and indirect contact (including fecal/oral)</p>	
<p><b>Precautions Needed*</b></p>		
<p><b>ADULT</b></p>	<p><b>Routine Practices</b> – confirmed viral</p> <p><b>Droplet Precautions</b> – cause unknown or Bacterial or confirmed <i>Neisseria meningitidis</i></p>	
<p><b>PEDIATRIC</b></p>	<p><b>Contact Precautions</b> – confirmed viral</p> <p><b>Contact and Droplet Precautions</b> – cause unknown or Bacterial</p>	
<p><b>Duration of Precautions</b></p>		
<p><b>Bacterial</b></p>	<p>Until 24 hours of effective antimicrobial therapy completed</p>	
<p><b>Viral: PEDIATRIC</b></p>	<p>Until symptoms resolved or enterovirus ruled out</p>	

(Continued on next page)

<p>Suspected/Known Disease or Microorganism</p> <p><b>Meningitis</b></p> <p>Various causative agents:</p> <p>VIRAL: <u>Enterovirus, Arbovirus</u></p> <p>FUNGAL: <u>Cryptococcus neoformans, Histoplasma capsulatum</u></p> <p>(Continued from previous page)</p>		<p><b>BACTERIAL:</b></p> <p><u>Neisseria meningitidis,</u></p> <p><u>H. influenzae type B (possible in non-immune infant younger than 2 years</u></p> <p><u>Streptococcus pneumoniae,</u></p> <p><u>Streptococcus Group B,</u></p> <p><u>Listeria monocytogenes,</u></p> <p><u>E. coli and other Gram-negative rods,</u></p> <p><u>Mycobacterium tuberculosis</u></p>
<p><b>Incubation Period</b></p> <p>Variable</p>	<p><b>Period of Communicability</b></p> <p>Variable</p>	
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• See specific organism once identified. For <i>Mycobacterium tuberculosis</i> meningitis rule out associated respiratory TB</li> <li>• May be associated with measles, mumps, varicella, or herpes simplex. If identified, take appropriate precautions for associated disease</li> <li>• <b>Physician to Notify Medical Officer of Health</b></li> </ul>		

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)</b>	
<b>Clinical Presentation</b> Asymptomatic or various infections of skin, soft tissue, pneumonia, bacteremia, urinary tract, etc.	
<b>Infectious Substances</b> Infected or colonized secretions/excretions Respiratory secretions if pneumonia	<b>How it is Transmitted</b> Direct contact and indirect contact, and large droplets (if pneumonia)
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
	<b>Contact and Droplet Precautions</b> if patient has active MRSA pneumonia
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 150

<b>Suspected/Known Disease or Microorganism</b> <b>MERS CoV – (Middle East respiratory syndrome, <u>Coronavirus</u>)</b>	
<b>Clinical Presentation</b> Fever, cough, runny nose, sore throat, body aches, pneumonia (shortness of breath, discomfort during breathing)	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b> Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <a href="#">Aerosol-generating medical procedures (AGMPs)</a> .** For more information refer to <a href="#">Interim Guidance-Novel Coronavirus</a>
<b>Duration of Precautions</b> Duration of precautions will be determined on a case-by-case basis and in conjunction with Infection Prevention and Control, and the Medical Officer of Health	
<b>Incubation Period</b> 14 days	<b>Period of Communicability</b> Unknown / variable
<b>Comments</b> *Precautions required are in addition to <a href="#">Routine Practices</a> . <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Contact Infection Prevention and Control for discontinuation of additional precautions</li> </ul> Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted. Refer to: <a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a> <ul style="list-style-type: none"> <li>• Immunocompromised patient additional precautions need to be maintained for a longer duration due to prolonged viral shedding.</li> </ul> ** <i>For complete list of <a href="#">AGMPs</a></i>	

**References:** [Interim Guidance-Novel Coronavirus](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 151

<b>Suspected/Known Disease or Microorganism</b> <b>Molluscum contagiosum (molluscum contagiosum virus)</b>	
<b>Clinical Presentation</b> Umbilical papules (small raised, pearly papules with a central depression)	
<b>Infectious Substances</b> Contents of the papules	<b>How it is Transmitted</b> Direct contact, including sexual contact, or fomites
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1 week to 6 months	<b>Period of Communicability</b> Unknown
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 152**

<b>Suspected/Known Disease or Microorganism</b> <b>Mpox (monkeypox)</b>	
<b>Clinical Presentation</b> Resembles smallpox, swollen lymph nodes	
<b>Infectious Substances</b> Infected blood and body fluids, pox secretions	<b>How it is Transmitted</b> Bite from infected animal or direct contact with their blood, body fluid or rash
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> 7-17 days	<b>Period of Communicability</b> until the scab crusts have fallen off (about 3-4 weeks) and new skin has formed
<b>Comments</b> <ul style="list-style-type: none"> <li>• *Precautions required are in addition to <u>Routine Practices</u></li> <li>• <b>Physician to notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Transmission in hospital settings unlikely</li> <li>• CDC: <a href="#">Monkeypox   Poxvirus   CDC</a> (2022)</li> <li>• <a href="#">Monkeypox (orthopoxvirus simian)</a> (2022)</li> </ul>	

**References:** [PHAC \(2012\)](#)



IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 153

<b>Suspected/Known Disease or Microorganism</b> <b>Mucormycosis (phycomycosis, zygomycosis) – (<i>Mucor</i> spp., <i>Zygomycetes</i> spp., <i>Rhizopus</i> spp.)</b>	
<b>Clinical Presentation</b> Lung, skin, wound, rhino-cerebral infection	
<b>Infectious Substances</b> Fungal spores in dust and soil	<b>How it is Transmitted</b> Acquired from fungal spores in dust and soil, especially decaying organic matter such as leaves, grass or wood No person-to-person transmission
<b>Precautions Needed</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>Routine Practices</b></div>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Immunocompromised patients are at risk of infection. Refer to: <a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<p>Suspected/Known Disease or Microorganism</p> <p><b>Multidrug-resistant (MDR)* gram-negative bacilli</b></p> <p><i>Acinetobacter</i> spp, MDR</p> <p><i>Pseudomonas</i> spp. (CPO), MDR</p> <p><u><i>Stenotrophomonas maltophilia</i>**</u>, MDR</p> <p><u><i>Burkholderia cepacia</i>**</u>, MDR</p> <p><u>MDR Enterobacteriaceae (Carbapenem-resistant (CPO, CRE, CRO))</u></p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;"><i>E. coli</i>, MDR</td> <td style="border: none;"><i>Providencia</i> spp., MDR</td> <td style="border: none;"><i>Enterobacter</i> spp., MDR</td> </tr> <tr> <td style="border: none;"><i>Klebsiella</i> spp., MDR</td> <td style="border: none;"><i>Proteus</i> spp., MDR</td> <td style="border: none;"><i>Morganella</i> spp., MDR</td> </tr> <tr> <td style="border: none;"><i>Serratia</i> spp., MDR</td> <td style="border: none;"><i>Citrobacter</i> spp., MDR</td> <td style="border: none;"><i>Salmonella</i> spp., MDR</td> </tr> </table>		<i>E. coli</i> , MDR	<i>Providencia</i> spp., MDR	<i>Enterobacter</i> spp., MDR	<i>Klebsiella</i> spp., MDR	<i>Proteus</i> spp., MDR	<i>Morganella</i> spp., MDR	<i>Serratia</i> spp., MDR	<i>Citrobacter</i> spp., MDR	<i>Salmonella</i> spp., MDR
<i>E. coli</i> , MDR	<i>Providencia</i> spp., MDR	<i>Enterobacter</i> spp., MDR								
<i>Klebsiella</i> spp., MDR	<i>Proteus</i> spp., MDR	<i>Morganella</i> spp., MDR								
<i>Serratia</i> spp., MDR	<i>Citrobacter</i> spp., MDR	<i>Salmonella</i> spp., MDR								
<p><b>Clinical Presentation</b></p> <p>Infection or colonization at any body site</p>										
<p><b>Infectious Substances</b></p> <p>Infected or colonized secretions, excretions</p>	<p><b>How it is Transmitted</b></p> <p>Direct Contact and Indirect Contact</p>									
<p><b>Precautions Needed***</b></p>	<p><b>Contact Precautions</b></p> <p>For all organisms reported as CPO only</p>									
<p><b>Duration of Precautions</b></p> <p>Variable, dependent on organism</p>										
<p><b>Incubation Period</b></p> <p>Variable</p>	<p><b>Period of Communicability</b></p> <p>Variable</p>									

(Continued on next page)

Suspected/Known Disease or Microorganism

**Multidrug-resistant (MDR)\* gram-negative bacilli**

*Acinetobacter* spp, MDR

*Pseudomonas* spp. (CPO), MDR

*Stenotrophomonas maltophilia*\*\*, MDR

*Burkholderia cepacia*\*\*, MDR

MDR Enterobacteriaceae (Carbapenem-resistant (CPO, CRE, CRO))

*E. coli*, MDR

*Klebsiella* spp., MDR

*Serratia* spp., MDR

*Providencia* spp., MDR

*Proteus* spp., MDR

*Citrobacter* spp., MDR

*Enterobacter* spp., MDR

*Morganella* spp., MDR

*Salmonella* spp., MDR

(Continued from previous page)

**Comments**

\* A multidrug-resistant organism is one that has resistance to 3 or more antibiotic classes

\*\* See specific organism once identified

\*\*\* Precautions required are in addition to Routine Practices. Additional (isolation) precautions are dependent on organism type and antibiotic susceptibility pattern. Please contact Infection Prevention and Control for direction.

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 156**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Mumps (mumps virus) – Known case, Exposed susceptible</b>	
<b>Clinical Presentation</b> Swelling of salivary glands, orchitis	
<b>Known case:</b>	Swelling of salivary glands, orchitis
<b>Exposed susceptible:</b>	May be asymptomatic
<b>Infectious Substances</b> Saliva, respiratory secretions	<b>How it is Transmitted</b> Direct contact; large droplets
<b>Precautions Needed*</b>	<b>Droplet Precautions</b>
<b>Duration of Precautions</b>	
<b>Known case:</b>	Until 5 days after the onset of symptoms
<b>Exposed susceptible:</b>	Begin 10 days after first contact with confirmed mumps case and continue until 26 days after last exposure
<b>Incubation Period</b> 14-25 days	<b>Period of Communicability</b> 2 days before and up to 5 days after onset of symptoms
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <p><b>Exposed susceptible:</b></p> <ul style="list-style-type: none"> <li><b>Droplet Precautions</b> for exposed susceptible patients and healthcare providers should begin 10 days after first contact and continue through 26 days after last exposure.</li> <li>Defer non-urgent admission if a non-immune person is incubating the disease</li> <li>If contact becomes symptomatic and a confirmed case, follow recommendation for a known mumps case</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 157

<b>Suspected/Known Disease or Microorganism</b> <b>Mycobacterium – non-tuberculosis (atypical) (e.g., <i>Mycobacterium avium</i> complex)</b>	
<b>Clinical Presentation</b> Lymphadenitis, pneumonia, disseminated disease in immunocompromised patient	
<b>Infectious Substances</b> Widely distributed in the environment, particularly in wet soil, marshlands, streams and rivers	<b>How it is Transmitted</b> Acquired from soil, water, animal reservoirs No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 158**

<b>Suspected/Known Disease or Microorganism</b> <i>Mycoplasma pneumoniae</i>	
<b>Clinical Presentation</b> Pneumonia	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact; large droplets
<b>Precautions Needed*</b>	<b>Droplet Precautions</b>
<b>Duration of Precautions</b> Until symptoms have stopped	
<b>Incubation Period</b> 1-4 weeks	<b>Period of Communicability</b> Unknown
<b>Comments</b> *Precautions required are in addition to Routine Practices	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

## N

2019-nCoV

Necrotizing enterocolitis

Necrotizing fasciitis

*Neisseria gonorrhoeae*

*Neisseria meningitidis* (Meningitis or Invasive Meningococcal Disease)

Nocardiosis (*Nocardia* spp.)

Norovirus

Novel Coronavirus (COVID-19)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 160**

<b>Suspected/Known Disease or Microorganism</b> <b>Necrotizing enterocolitis</b>	
<b>Clinical Presentation</b> Abdominal distention, blood in the stool, diarrhea, feeding intolerance, lethargy, temperature instability, vomiting	
<b>Infectious Substances</b> Unknown	<b>How it is Transmitted</b> Probably indirect contact, outbreaks would result from transmission on hands/equipment
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If outbreak is suspected
<b>Duration of Precautions</b> Duration of outbreak	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 161**

<b>Suspected/Known Disease or Microorganism</b> <i>Neisseria gonorrhoeae</i>	
<b>Clinical Presentation</b> Ophthalmia, neonatorum, gonorrhoea, arthritis, pelvic inflammatory disease	
<b>Infectious Substances</b> Exudates from lesions	<b>How it is Transmitted</b> Mother to child, sexual contact and rarely direct/indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-7 days	<b>Period of Communicability</b> May extend for months in untreated individuals
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 162

<b>Suspected/Known Disease or Microorganism</b> <b><i>Neisseria meningitidis</i> (Meningitis or Invasive Meningococcal Disease)</b>	
<b>Clinical Presentation</b> Meningococemia, meningitis, pneumonia, Rash (petechial/purpuric) with fever	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact; large droplets
<b>Precautions Needed*</b>	<span style="border: 1px solid orange; padding: 2px;"><b>Droplet Precautions</b></span>
<b>Duration of Precautions</b> Until after 24 hours of effective therapy completed.	
<b>Incubation Period</b> Usually 2-10 days	<b>Period of Communicability</b> Until 24 hours of effective therapy completed
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Consult physician regarding chemoprophylaxis for close contacts</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#).

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 163

<b>Suspected/Known Disease or Microorganism</b> <b>Nocardiosis (<i>Nocardia</i> spp.)</b>	
<b>Clinical Presentation</b> Fever, pulmonary or central nervous system infection, or disseminated disease	
<b>Infectious Substances</b> Acquired from organisms in the soil and dust	<b>How it is Transmitted</b> By inhalation of the organisms No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Infections in immunocompromised patients may be associated with construction. Refer to: <u><a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 164**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Norovirus</b> <b>Sapovirus</b>	
<b>Clinical Presentation</b> Nausea, vomiting, diarrhea	
<b>Infectious Substances</b> Feces, emesis/vomit	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral), and large droplets (vomiting)
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
	<b>Contact and Droplet Precautions</b> if patient is actively vomiting
<b>Duration of Precautions</b>	
Until symptoms have stopped for 48 hours and after at least one normal or formed bowel movement	
<b>Incubation Period</b> 12 hours to 4 days	<b>Period of Communicability</b> Duration of viral shedding, usually 48 hours after diarrhea resolves
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>Contact Infection Prevention and Control for discontinuation of additional precautions.</li> <li>For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>Common cause of outbreaks. Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#), [Becker-Dreps 2020](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 165

**O**

Orf – Parapoxvirus

Otitis, draining (*Streptococcus* Group A, *Staphylococcus aureus*, many other bacteria)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 166

<b>Suspected/Known Disease or Microorganism</b> <b>Orf – Parapoxvirus</b>	
<b>Clinical Presentation</b> Skin lesions	
<b>Infectious Substances</b> Infected animals	<b>How it is Transmitted</b> Contact with infected animals (usually sheep and goats) No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-6 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 167

<b>Suspected/Known Disease or Microorganism</b>	
<b>Otitis, draining (<i>Streptococcus</i> Group A, <i>Staphylococcus aureus</i>, many other bacteria)</b>	
<b>Clinical Presentation</b> Ear drainage, ear pain	
<b>Infectious Substances</b> Drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Until drainage resolved or contained by dressings.	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

## P

Parainfluenza virus

Parvovirus B19 – Fifth disease, erythema infectiosum (rash), aplastic crisis

Pediculosis (Lice) – (*Pediculus humanus*, *Phthirus pubis*)

Pertussis

Pharyngitis – (*Streptococcus* Group A, *Corynebacterium diphtheriae*, many viruses)

Plague – bubonic (*Yersinia pestis*)

Plague – pneumonic (*Yersinia pestis*)

Pleurodynia (Enterovirus, Coxsackievirus)

*Pneumocystis jiroveci* pneumonia (PJP) – formerly known as *P. carinii* (PCP)

Pneumonia – bacterial or viral infection

Poliomyelitis

*Proteus* spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli

*Providencia* spp., MDR – see Multidrug-resistant (MDR) gram-negative bacilli

Pseudomembranous colitis – (*Clostridium difficile*)

*Pseudomonas aeruginosa* (Metallo-carbapenemase producing\*\*)

Psittacosis (ornithosis) – (*Chlamydia psittaci*)



**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 169**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Parainfluenza virus</b>	
<b>Clinical Presentation</b> Fever, runny nose, cough, sneezing, wheezing, sore throat, croup, bronchitis	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b> Wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.  In the case of outbreak, patients are to remain on precautions for 5 days from the onset of acute illness OR until they are over the acute illness and have been afebrile X 48hr.	
<b>Incubation Period</b> 2-6 days	<b>Period of Communicability</b> Duration of symptoms
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>  For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u> .  Contact Infection Prevention and Control for discontinuation of additional precautions.  <ul style="list-style-type: none"> <li>• May cohort individuals infected with the same virus.</li> <li>• Minimize exposure of immunocompromised patients, children with chronic cardiac or lung disease, neonates.</li> <li>• In the case of outbreak refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 170

<b>Suspected/Known Disease or Microorganism</b>	
<b>Parvovirus B19 – Fifth disease, erythema infectiosum, aplastic crisis</b>	
<b>Clinical Presentation</b> Erythema Infectiosum (rash), aplastic crisis, fever, headache, rhinitis	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets and vertical mother to fetus
<b>Precautions Needed*</b>	<b>Routine Practices</b> Fifth disease
	<b>Droplet Precautions</b> Aplastic crisis OR chronic infection in immunocompromised patient
<b>Duration of Precautions</b> If patient with transient aplastic or erythrocyte crisis maintain precautions for 7 days. For immune-suppressed patients with chronic infection or those with papular purpuric gloves and socks syndrome (PPGS), maintain precautions for duration of hospitalization	
<b>Incubation Period</b> 4-21 days	<b>Period of Communicability</b> Aplastic Crisis: Up to one week after onset of crisis Fifth Disease: immunocompromised patients are no longer infectious by the time the rash appears
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>Aplastic crisis is a dramatic drop in hematocrit levels, diagnosis to be determined by physician.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#), [Harvard \(2002\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 171**

<b>Suspected/Known Disease or Microorganism</b> <b>Pediculosis (Lice) – (<i>Pediculus humanus, Phthirus pubis</i>)</b>	
<b>Clinical Presentation</b> Infestation may result in severe itching and excoriation of the scalp or body	
<b>Infectious Substances</b> Direct and indirect contact with louse	<b>How it is Transmitted</b> Contact with louse directly or indirectly
<b>Precautions Needed</b>	<b>Contact Precautions</b>
<b>Duration of Precautions</b> Continue until a minimum of 24 hours after start of effective therapy	
<b>Incubation Period</b> 6-10 days	<b>Period of Communicability</b> Until effective treatment to kill lice and ova and observed to be free of lice
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Apply treatment (pediculicide) as directed on label. If live lice found after therapy, repeat treatment.</li> <li>• Manually remove nits. As no pediculicide is 100% ovicidal, removal of nits decreases the risk of self-reinfestation</li> <li>• Head lice: wash headgear, combs, pillowcases, towels with hot water or dry clean or seal in plastic bag and store for 10 days</li> <li>• Body lice: as above and all exposed clothing and bedding</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 172

<b>Suspected/Known Disease or Microorganism</b> <b>Pharyngitis – (<i>Streptococcus</i> Group A, <i>Corynebacterium diphtheriae</i>, many viruses)</b>	
<b>Clinical Presentation</b> Sneezing, coughing, fever, headache, sore throat	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
	<b>Droplet Precautions</b> - if unable to cover cough
<b>PEDIATRIC</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b> Variable depending on organism For viral infections, until symptoms resolve or return to baseline For Group A <i>Streptococcus</i> , until 24 hours of effective antimicrobial therapy completed	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> <b>ADULT</b> - Until acute symptoms resolve <b>PEDIATRIC</b> - Until acute symptoms resolve If Group A <i>Streptococcus</i> - until 24 hours of effective antimicrobial therapy completed
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 173**

<b>Suspected/Known Disease or Microorganism</b> <b>Plague – bubonic (<i>Yersinia pestis</i>)</b>	
<b>Clinical Presentation</b> Lymphadenitis, fever, chills, headache, extreme fatigue	
<b>Infectious Substances</b> Not applicable	<b>How it is Transmitted</b> Bite of an infected flea Contact with contaminated fluid or tissue i.e., touching or skinning infected animals
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1-7 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• If the patient is deceased, refer to the <u><a href="#">Alberta Bodies of Deceased Persons Regulations</a></u>.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 174

<b>Suspected/Known Disease or Microorganism</b> <b>Plague – pneumonic (<i>Yersinia pestis</i>)</b>	
<b>Clinical Presentation</b> Pneumonia, cough, fever, hemoptysis	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact: large droplets
<b>Precautions Needed*</b>	<span style="border: 1px solid orange; padding: 2px;"><b>Droplet Precautions</b></span>
<b>Duration of Precautions</b> Until 48 hours of effective antimicrobial therapy	
<b>Incubation Period</b> 1-4 days	<b>Period of Communicability</b> Until 48 hours of effective antimicrobial therapy
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• If the patient is deceased, refer to the <u>Alberta Bodies of Deceased Persons Regulations</u>.</li> <li>• Close contacts may require prophylaxis</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 175**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Pleurodynia (Enterovirus, Coxsackievirus)</b>	
<b>Clinical Presentation</b>	
Fever, severe chest and abdominal/lower back pain, headache, malaise	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Feces and respiratory secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Contact Precautions</b>
<b>Duration of Precautions</b>	
<b>ADULT</b>	Not applicable
<b>PEDIATRIC</b>	Duration of illness
<b>Incubation Period</b>	<b>Period of Communicability</b>
3-5 days	<b>ADULT</b> – not applicable <b>PEDIATRIC</b> – duration of illness
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	
<ul style="list-style-type: none"> <li>See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 176

<b>Suspected/Known Disease or Microorganism</b> <i>Pneumocystis jiroveci</i> pneumonia (PJP) – formerly known as <i>P. carinii</i> (PCP)	
<b>Clinical Presentation</b> Pneumonia in an immunocompromised patient	
<b>Infectious Substances</b> N/A	<b>How it is Transmitted</b> Unknown
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Unknown
<b>Comments</b> <ul style="list-style-type: none"> <li>• Ensure roommate is not immunocompromised</li> <li>• Refer to: <u><a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 177

<b>Suspected/Known Disease or Microorganism</b>	
<b>Pneumonia – bacterial or viral infection</b>	
<b>Clinical Presentation</b> Cough, fever, sore throat, difficulty breathing, fatigue. Infection may be present in one or both lungs.	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	
<b>Bacterial:</b>	<b>Routine Practices</b>
<b>ADULT</b>	
<b>Viral or Unknown:</b>	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Duration of symptoms
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• Contact Infection Prevention and Control for cohorting considerations - may cohort individuals infected with the same virus once identified</li> <li>• Minimize exposure of immunocompromised patients, children with chronic cardiac or lung diseases, nephritic syndrome, neonates. These patients <b>should not</b> be cohorted. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>• Patients may have prolonged post-viral dry cough for weeks but this may not represent ongoing acute illness</li> <li>• If TB suspected, see <u>Tuberculosis (TB)</u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 178**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Poliomyelitis</b>	
<b>Clinical Presentation</b> Flaccid paralysis, fever, aseptic meningitis	
<b>Infectious Substances</b> Feces, respiratory secretions	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> Patient must be isolated in a private room with a private bathroom.
<b>Duration of Precautions</b> Until 6 weeks from start of illness or until feces culture negative	
<b>Incubation Period</b> 3-35 days	<b>Period of Communicability</b> Duration of shedding is up to 6 weeks
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of suspected or confirmed case by fastest means possible</b></li> <li>• Only healthcare workers who are fully vaccinated** against poliovirus and are not immunocompromised should provide care for a poliovirus patient</li> <li>• Close contacts who are not immune should receive immunoprophylaxis</li> </ul> <p>**Healthcare workers should contact WHS for immunity assessment</p>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#), [PHAC \(Polio\) 2023](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 179

<b>Suspected/Known Disease or Microorganism</b> <i>Pseudomonas aeruginosa</i> (Metallo-carbapenemase producing**)	
<b>Clinical Presentation</b> Asymptomatic or various infections of skin, soft tissue, pneumonia, bacteremia, urinary tract, etc.	
<b>Infectious Substances</b> Colonized/infected body sites	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>If organism is reported as <u>Carbapenemase-producing organism</u></li> </ul>	

**References:** [CDC \(2011\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 180

<b>Suspected/Known Disease or Microorganism</b> <b>Psittacosis (ornithosis) – (<i>Chlamydia psittaci</i>)</b>	
<b>Clinical Presentation</b> Pneumonia, fever	
<b>Infectious Substances</b> Desiccated droppings, secretions and dust of infected birds	<b>How it is Transmitted</b> Acquired from contact with infected birds No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 7-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 181

**Q**

Q fever (*Coxiella burnetii*)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 182

<b>Suspected/Known Disease or Microorganism</b> <b>Q fever (<i>Coxiella burnetii</i>)</b>	
<b>Clinical Presentation</b> Pneumonia, fever	
<b>Infectious Substances</b> Infected animals, raw milk	<b>How it is Transmitted</b> Acquired from contact with infected animals or ingestion of raw milk No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 14-39 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

## R

Rabies

Rash, petechial or purpuric – (potential pathogen *Neisseria meningitidis*)

Rash, vesicular – (potential pathogen Varicella virus)

Rat-bite fever –

*Actinobacillus* – (formerly *Streptobacillus moniliformis*)

*Spirillum minus*

Relapsing fever (*Borrelia* spp.)

Rhinovirus

Rickettsialpox (*Rickettsia akari*)

Ringworm (tinea) – (*Trichophyton* spp., *Microsporum* spp., *Epidermophyton* spp.)

Rocky mountain spotted fever (*Rickettsia rickettsii*)

Roseola infantum – Human Herpes virus 6 (HHV6)

Rotavirus

RSV – Respiratory Syncytial Virus

Rubella (German measles) –

Exposed susceptible contact

Acquired

Congenital

Rubeola (Measles) – Exposed susceptible contact and confirmed diagnosis

<b>Suspected/Known Disease or Microorganism</b>	
<b>Rabies</b>	
<b>Clinical Presentation</b>	
<p>Acute encephalomyelitis. First symptoms similar to those of the flu: headache, fever, malaise.</p> <p>There may be a discomfort, prickling or itching sensation at the site of the bite.</p> <p>As the disease progresses more symptoms of delirium, abnormal behavior, hallucinations and insomnia.</p>	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Saliva	<p>Acquired from saliva or bite of infected animals</p> <p>Rarely documented via other routes such as contamination of mucous membranes (eyes, nose and mouth) aerosol transmission and corneal and organ transplantations</p> <p>Person-to-person transmission is theoretically possible but rare and not well documented</p>
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
Highly variable, usually 3-8 weeks, rarely as short as 9 days or as long as 7 years	Not applicable
<b>Comments</b>	
<ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• If the patient is deceased, refer to the <u><a href="#">Alberta Bodies of Deceased Persons Regulations</a></u>.</li> <li>• Post-exposure prophylaxis is recommended for percutaneous or mucosal contamination with saliva of rabid animal</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



<b>Suspected/Known Disease or Microorganism</b>	
<b>Rash, petechial or purpuric – (potential pathogen <i>Neisseria meningitidis</i>)</b>	
<b>Clinical Presentation</b>	
Rash (petechial/purpuric) with fever	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Respiratory secretions	Direct contact; large droplets
<b>Precautions Needed*</b>	<b>Droplet Precautions</b> if <i>Neisseria meningitidis</i> suspected
<b>Duration of Precautions</b>	
If <i>Neisseria meningitidis</i> confirmed, until 24 hours of effective antimicrobial therapy completed. If <i>Neisseria meningitidis</i> and other infectious cause ruled out, discontinue precautions.	
<b>Incubation Period</b>	<b>Period of Communicability</b>
If <i>Neisseria meningitidis</i> : Usually 2-10 days	If <i>Neisseria meningitidis</i> : Until 24 hours of effective antimicrobial therapy completed
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 186**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Rash, vesicular – (potential pathogen varicella virus)</b>	
<b>Clinical Presentation</b>	
Fever, rash	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Respiratory secretions, skin lesion drainage	Airborne, direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Airborne and Contact Precautions</b>
<b>Duration of Precautions</b>	
If Varicella infection is confirmed: until all lesions are dry	
<b>Incubation Period</b>	<b>Period of Communicability</b>
See <u>Varicella</u>	See <u>Varicella</u>
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	
<ul style="list-style-type: none"> <li>• See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b>  <b>Rat-bite fever –</b> <i>Actinobacillus – (formerly Streptobacillus moniliformis)</i> <i>Spirillum minus</i>	
<b>Clinical Presentation</b> Fever, arthralgia. Additional symptoms can vary for the two types of rat-bite fever Refer to <a href="#">Centers for Disease Control and Prevention (CDC)</a> for more detail.	
<b>Infectious Substances</b> Saliva of infected rodents; contaminated milk	<b>How it is Transmitted</b> Bite from infected animals Ingestion of contaminated milk No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-10 days for <i>A. moniliformis</i> 7-21 days for <i>S. minus</i>	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• <i>A. moniliformis</i>: acquired from rats and other animals, contaminated milk</li> <li>• <i>S minus</i>: acquired from rats, mice only</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 188**

<b>Suspected/Known Disease or Microorganism</b> <b>Relapsing fever (<i>Borrelia</i> spp.)</b>	
<b>Clinical Presentation</b> Recurrent fever, transitory petechial rashes	
<b>Infectious Substances</b> Infected lice or tick saliva	<b>How it is Transmitted</b> Acquired by bite of lice or ticks No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-18 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 189**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Rhinovirus</b>	
<b>Clinical Presentation</b>	
Sore throat, runny nose, coughing, sneezing	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Respiratory secretions	Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<b>Contact and Droplet Precautions</b>
	For adult patients only: Wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**
<b>Duration of Precautions</b>	
Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b>	<b>Period of Communicability</b>
2-3 days	Duration of symptoms
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	
<ul style="list-style-type: none"> <li>May cohort individuals infected with the same virus. Patient should not share room with high-risk roommates (e.g., immunosuppressed)</li> </ul> <p>Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted.</p> <ul style="list-style-type: none"> <li>For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 190**

<b>Suspected/Known Disease or Microorganism</b> <b>Rickettsialpox (<i>Rickettsia akari</i>)</b>	
<b>Clinical Presentation</b> Fever, rash	
<b>Infectious Substances</b> Infected mouse-mite saliva	<b>How it is Transmitted</b> Acquired by bite of mouse-mite No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 9-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 191

<b>Suspected/Known Disease or Microorganism</b>  <b>Ringworm (tinea) – (<i>Trichophyton</i> spp., <i>Microsporum</i> spp., <i>Epidermophyton</i> spp.)</b>	
<b>Clinical Presentation</b> Erythema (on skin, beard, scalp, groin, perineal region), pityriasis versicolor, scaling, lesions, athlete’s foot	
<b>Infectious Substances</b> Contaminated skin or hair	<b>How it is Transmitted</b> Direct contact (skin to skin) Indirect contact (shared combs, brushes, clothing, hats, sheets, shower stalls)
<b>Precautions Needed*</b>	<b>Routine Practices</b>
	<b>Contact Precautions</b> Outbreaks
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 4-14 days	<b>Period of Communicability</b> While lesion(s) are present
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• While under treatment for <i>Trichophyton</i>, patient should be excluded from swimming pools and activities likely to lead to exposure of others</li> <li>• Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 192

<b>Suspected/Known Disease or Microorganism</b> <b>Rocky mountain spotted fever (<i>Rickettsia rickettsii</i>)</b>	
<b>Clinical Presentation</b> Fever, petechial rash, encephalitis	
<b>Infectious Substances</b> Tick saliva	<b>How it is Transmitted</b> Tick bite Not transmitted person-to-person except rarely by transfusion
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Infection in humans is incidental and is acquired most frequently during blood feeding by the infected tick, rarely through transfusion</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 193

<b>Suspected/Known Disease or Microorganism</b> <b>Roseola infantum – Human Herpes virus 6 (HHV6)</b>	
<b>Clinical Presentation</b> Rash, fever	
<b>Infectious Substances</b> Saliva (presumed)	<b>How it is Transmitted</b> Direct contact (close personal)
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 9-10 days	<b>Period of Communicability</b> Unknown
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 194**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Rotavirus</b>	
<b>Clinical Presentation</b>	
Acute fever, vomiting followed by watery diarrhea in 24 to 48 hours Diarrhea may persist for up to 8 days	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Feces, contaminated objects (e.g., toys)	Direct contact and indirect contact, and if vomiting, large droplets
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
	<b>Contact and Droplet Precautions</b> if vomiting
<b>Duration of Precautions</b>	
Until symptoms have stopped for 48 hours and after at least one normal or formed bowel movement OR patient is continent	
<b>Incubation Period</b>	<b>Period of Communicability</b>
1-3 days	Until symptoms resolve
<b>Comments</b>	
*Precautions required are in addition to <u>Routine Practices</u>	
<ul style="list-style-type: none"> <li>Prolonged fecal shedding may occur in immunocompromised patients after diarrhea has ceased; <b>Contact Precautions</b> should be maintained until laboratory results are negative. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>RSV – Respiratory Syncytial Virus</b>	
<b>Clinical Presentation</b> Runny nose, coughing, sneezing, fever, wheezing	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<div style="border: 1px solid orange; padding: 2px;"><b>Contact and Droplet Precautions</b></div> For adult patients only: Wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u> .**
<b>Duration of Precautions</b> Resolution of acute respiratory infection symptoms or return to baseline. Refer to clinical presentation for examples of symptoms.	
<b>Incubation Period</b> 2-8 days	<b>Period of Communicability</b> Duration of symptoms
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• May cohort with others of same confirmed virus.</li> <li>• Minimize exposure of immunocompromised patients, children with chronic cardiac or lung disease, neonates.</li> <li>• For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding.</li> <li>• Contact Infection Prevention and Control for discontinuation of additional precautions. Refer to: <u>Infection Prevention and Control Considerations for Immunocompromised Patients</u></li> <li>• Refer to <u>AHS Guidelines for Outbreak Prevention, Control and Management in Acute Care and Facility Living Sites</u>.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 196**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Rubella (German measles) –</b>	<b>Exposed susceptible contact</b> <b>Acquired</b> <b>Congenital</b>
<b>Clinical Presentation</b>	
<b>Exposed susceptible contact:</b>	Asymptomatic
<b>Acquired:</b>	Fever and maculopapular rash
<b>Congenital:</b>	Congenital rubella syndrome in the newborn (mild fever, rash with diffuse red spots and skin eruptions of irregular round shapes)
<b>Infectious Substances</b>	
<b>Congenital:</b>	Urine and nasopharyngeal secretions
<b>All other cases:</b>	Respiratory secretions
<b>How it is Transmitted</b>	
<b>Congenital:</b>	Direct contact, indirect contact and large droplets
<b>All other cases:</b>	Direct contact and large droplets
<b>Precautions Needed*</b>	
<b>Congenital:</b>	<b>Contact and Droplet Precautions</b>
<b>All other cases:</b>	<b>Droplet Precautions</b>
<b>Exposed susceptible contact:</b>	<b>Droplet Precautions</b> should be maintained for exposed susceptible patients for 7 days after first contact through to 21 days after last contact.
<b>Acquired:</b>	Until 7 days of onset of rash

*(Continued on next page)*

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 197**

<b>Suspected/Known Disease or Microorganism</b> <b>Rubella (German measles) –</b> <i>(Continued from previous page)</i>		<b>Exposed susceptible contact</b> <b>Acquired</b> <b>Congenital</b>
<b>Precautions Needed* (continued)</b> <b>Congenital:</b>	Precautions will be required during any admission during the first year of life unless nasopharyngeal and urine cultures are done at > 3 months of age and are negative	
<b>Duration of Precautions</b>		
<b>Exposed susceptible contact:</b>	<b>Droplet Precautions</b> should be maintained for exposed susceptible patients for 7 days after first contact through to 21 days after last contact.	
<b>Acquired:</b>	Until 7 days after onset of rash	
<b>Congenital:</b>	Precautions will be required during any admission during the first year of life unless nasopharyngeal and urine cultures are done at > 3 months of age and are negative	
<b>Incubation Period</b> <b>All cases:</b>	14-21 days	
<b>Period of Communicability</b>		
<b>Congenital:</b>	Prolonged shedding in respiratory tract and urine can be up to one year	
<b>All other cases:</b>	One week before to 7 days after onset of rash, can be contagious up to 14 days after rash appears	

*(Continued on next page)*

**Suspected/Known Disease or Microorganism**

**Rubella (German measles) –**

*(Continued from previous page)*

**Exposed susceptible contact**  
**Acquired**  
**Congenital**

**Comments**

\*Precautions required are in addition to Routine Practices

**Congenital:**

- Only immune persons should enter the room
- Proof of immunity includes
  - written documentation of receipt of > 1 dose of a rubella-containing vaccine administered on or after the first birthday, **or**
  - laboratory evidence of immunity (IgG); or laboratory confirmed infection.
- Non-immune persons should not enter except in urgent or compassionate circumstances

If immunity is unknown, assume person is non-immune

**All other cases:**

- Defer non-urgent admission if rubella is present. May admit after rash has resolved
- If possible, only immune healthcare providers, caretakers and visitors should enter the room. If it is essential for a non-immune person to enter the room, facial protection should be worn.
- Administer vaccine to exposed susceptible non-pregnant persons within 3 days of exposure

**References:** [Canadian Immunization Guide](#), [PHAC \(2012\)](#), [WHO \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 199**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Rubeola (Measles) – Exposed susceptible contact and confirmed diagnosis</b>	
<b>Clinical Presentation</b> Fever, cough, coryza, conjunctivitis (3Cs), maculopapular skin rash, koplik spots inside mouth, especially the cheeks	
<b>Rubeola (measles):</b>	Fever, cough, coryza, conjunctivitis (3Cs), maculopapular skin rash, koplik spots inside mouth, especially the cheeks
<b>Exposed susceptible contact:</b>	May be asymptomatic
<b>Infectious Substances</b> Exhaled airborne particles	<b>How it is Transmitted</b> Airborne
<b>Precautions Needed*</b>	<b>Airborne Precautions</b>
<b>Duration of Precautions</b>	
<b>Rubeola (measles):</b>	4 days after start of rash in immunocompetent patients or until all symptoms are gone in immunocompromised patients.
<b>Exposed susceptible contact:</b>	5 days after first exposure until 21 days after last exposure
<b>Incubation Period</b>	7-18 days
<b>Period of Communicability</b>	
<b>Rubeola (measles):</b>	5 days before onset of rash until 4 days after onset of rash
<b>Exposed susceptible contact:</b>	Potentially communicable during last 2 days of incubation period

*(Continued on next page)*

**Suspected/Known Disease or Microorganism**

**Rubeola (Measles) – Exposed susceptible contact and confirmed diagnosis**

*(Continued from previous page)*

**Comments**

\*Precautions required are in addition to Routine Practices

**All Cases:**

- Individuals with known immunity (serological proof of immunity; immunization with 2 appropriately timed doses of measles-containing vaccine), or received a minimum dose of Immunoglobulin (0.25/kg) within 5 months of exposure **are not** required to wear the N95 respirator when entering the room
- Susceptible healthcare providers should not enter the room if immune staff are available. If they must enter the room, an N95 respirator must be worn.
- Other non-immune persons should not enter except in urgent or compassionate circumstances. If immunity is unknown, assume person is non-immune.
- Immunoprophylaxis is indicated for susceptible contacts.
- Precautions should be taken with neonates born to mother with measles infection at delivery
- Refer to: Infection Prevention and Control Considerations for Immunocompromised Patients

**Discharge Settle Time**

*Non-negative pressure rooms:*

- Do not admit a new patient into this room for at least 2 hours. If entering room before 2 hours and non-immune, wear an N95 respirator

*Negative pressure rooms:*

- Do not admit a new patient into this room for at least 45 minutes. If entering room before 45 minutes, and non-immune, wear an N95 respirator
- Alternatively, if specific air exchange rates for the room are known, refer to Table 1: Air Clearance Rates to determine discharge settle times

**Rubeola (measles):**

- **Physician to Notify Medical Officer of Health of case by fastest means possible**

**Exposed susceptible contact:**

- Defer non-urgent admission if a non-immune person is incubating the disease

**References:** [PHAC \(2012\)](#)



# IPC Diseases and Condition Table

## Recommendations for Managements of Patients

### Acute Care | 201

## S

Salmonella (*Salmonella* spp.)

Sapovirus

SARS CoV – (Severe acute respiratory syndrome, Coronavirus)

Scabies (*Sarcoptes scabiei*), Rash – compatible with scabies (Ectoparasite)

Scarlet fever

Schistosomiasis (*Schistosoma* spp.)

Septic arthritis – (*Haemophilus influenzae* type B [HIB] [possible in non-immune child <5 years of age], *Streptococcus* Group A, *Staphylococcus aureus*, many other bacteria)

*Serratia* spp.

Shigella (*Shigella* spp.)

Shingles

Smallpox (variola major virus, variola minor virus)

Sporotrichosis (*Sporothrix schenckii*)

*Staphylococcus aureus* – MRSA

*Staphylococcus aureus* – not MRSA – And other *Streptococci*, excluding Group A

    Pneumonia

    Skin infection

    Staphylococcal scalded skin syndrome (Ritter's disease)

*Stenotrophomonas maltophilia*

Streptococcus Group A (GAS)

*Streptococcus*, Group B (*Streptococcus agalactiae*)

*Streptococcus pneumoniae*

Strongyloidiasis (*Strongyloides stercoralis*)

Syphilis (*Treponema pallidum*)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 202**

<b>Suspected/Known Disease or Microorganism</b> <b>Salmonella (<i>Salmonella</i> spp.)</b>	
<b>Clinical Presentation</b> Diarrhea, enteric fever, typhoid fever, food poisoning	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact, indirect contact and foodborne
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 6-72 hours for diarrhea; 3-60 days for enteric fever	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> If organism is reported as <u>Carbapenemase-producing organism</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 203**

<b>Suspected/Known Disease or Microorganism</b> <b>SARS CoV – (Severe acute respiratory syndrome, Coronavirus)</b>	
<b>Clinical Presentation</b> Fever, cough, runny nose, sore throat, pneumonia (shortness of breath, discomfort during breathing)	
<b>Infectious Substances</b> Respiratory secretions and exhaled droplets and airborne particles, stool	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets
<b>Precautions Needed*</b>	<div style="border: 1px solid black; padding: 5px;"> <b>Contact and Droplet Precautions</b>                      Perform an <a href="#">Infection Prevention and Control Risk Assessment (IPC RA)</a> and wear fit tested N95 respirator when performing <u>Aerosol-generating medical procedures (AGMPs)</u>.**                       For more information refer to <a href="#">Interim Guidance-Novel Coronavirus</a> </div>
<b>Duration of Precautions</b> Duration of precautions will be determined on a case-by-case basis and in conjunction with Infection Prevention and Control, and the Medical Officer of Health.	
<b>Incubation Period</b> 3-10 days	<b>Period of Communicability</b> Unknown / variable
<b>Comments</b> *Precautions required are in addition to <a href="#">Routine Practices</a> . <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Contact Infection Prevention and Control for discontinuation of precautions                      Minimize exposure to immunocompromised patients, children with chronic cardiac or lung disease, nephritic syndrome, neonates. These patients should not be cohorted. Refer to: <a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></li> <li>• Immunocompromised patient additional precautions need to be maintained for a longer duration due to prolonged viral shedding.</li> </ul> ** <b>For complete list of <a href="#">AGMPs</a></b>	

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 204**

**References:** [PHAC \(2012\)](#),

<b>Suspected/Known Disease or Microorganism</b>	
<b>Scabies (<i>Sarcoptes scabiei</i>), Rash – compatible with scabies (ectoparasite)</b>	
<b>Clinical Presentation</b> Scales or blisters with intense itching especially at night, pimple like rash. Track like burrows in the skin. In early stages can look like acne, mosquito bites. Crusted or severe scabies may present with vesicles and thick crusts over the skin and lack the typical intense itching to clinical presentation.	
<b>Infectious Substances</b> Mite	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
<b>Duration of Precautions</b> Until 24 hours after initiation of effective treatment	
<b>Incubation Period</b> Initial infestation: 2-6 weeks Re-infection: 1-4 days after re-exposure	<b>Period of Communicability</b> Until mites and eggs are destroyed by treatment, usually after 1 or 2 courses of treatment, a week apart
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Apply scabicide as directed on label</li> <li>• Wash clothes and bedding in hot water, dry clean or seal in a plastic bag and store for 1 week</li> <li>• Household and sexual contacts should be treated</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 205

<b>Suspected/Known Disease or Microorganism</b> <b>Schistosomiasis (<i>Schistosoma</i> spp.)</b>	
<b>Clinical Presentation</b> Diarrhea, fever, itchy rash, hepatosplenomegaly, hematuria	
<b>Infectious Substances</b> Contaminated water	<b>How it is Transmitted</b> Acquired by contact with larvae in contaminated water No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 206

<b>Suspected/Known Disease or Microorganism</b>  <b>Septic arthritis – (<i>Haemophilus influenzae</i> type B [HIB] [possible in non-immune child &lt;5 years of age], <i>Streptococcus</i> Group A, <i>Staphylococcus aureus</i>, many other bacteria)</b>	
<b>Clinical Presentation</b> Inability to move the limb with the infected joint (pseudoparalysis), intense joint pain, joint swelling, joint redness, low fever	
<b>Infectious Substances</b> Respiratory secretions if HIB	<b>How it is Transmitted</b> Direct contact if HIB and large droplet if HIB
<b>Precautions Needed*</b>	
<b>ADULT</b>	<b>Routine Practices</b>
<b>PEDIATRIC</b>	<b>Droplet Precautions</b> - if HIB
<b>Duration of Precautions</b> If HIB until 24 hours of effective antimicrobial therapy completed	
<b>Incubation Period</b> Not applicable	<b>Period of Communicability</b> Not applicable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 207**

<b>Suspected/Known Disease or Microorganism</b> <b>Shigella (<i>Shigella</i> spp.)</b>	
<b>Clinical Presentation</b> Diarrhea	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact and indirect contact (fecal-oral)
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 1-3 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• Treatment with effective antimicrobial therapy shortens period of infectivity</li> </ul>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 208**

<b>Suspected/Known Disease or Microorganism</b> <b>Smallpox (variola major virus, variola minor virus)</b>	
<b>Clinical Presentation</b> Fever, vesicular/pustular lesions in appropriate epidemiologic context	
<b>Infectious Substances</b> Skin lesion exudate, oropharyngeal secretions	<b>How it is Transmitted</b> Direct contact, indirect contact and airborne
<b>Precautions Needed*</b>	<b>Airborne Precautions</b>
	<b>Contact and Droplet Precautions</b>
<b>Duration of Precautions</b> 3-4 weeks after onset of rash when all crusts have separated	
<b>Incubation Period</b> 7-10 days	<b>Period of Communicability</b> 3-4 weeks after onset of rash when all crusts have separated
<b>Comments</b> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <ul style="list-style-type: none"> <li>• <b>Physician to notify Medical Officer of Health of case by fastest means possible</b></li> <li>• May be Bioterrorism related</li> <li>• If the patient is deceased, refer to the <u>Alberta Bodies of Deceased Persons Regulations</u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 209

<b>Suspected/Known Disease or Microorganism</b> <b>Sporotrichosis (<i>Sporothrix schenckii</i>)</b>	
<b>Clinical Presentation</b> Skin lesions	
<b>Infectious Substances</b> Contaminated soil, vegetation	<b>How it is Transmitted</b> Acquired from spores in soil or vegetation No person-to-person transmission
<b>Precautions Needed</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>Routine Practices</b></div>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 210

<b>Suspected/Known Disease or Microorganism</b> <b><i>Staphylococcus aureus</i> – MRSA</b>	
<b>Clinical Presentation</b> Asymptomatic or various infections of skin, soft tissue, pneumonia, bacteremia, urinary tract, etc. Infection or colonization of any body site	
<b>Infectious Substances</b> Surface skin, secretions Respiratory secretions if pneumonia	<b>How it is Transmitted</b> Direct contact, indirect contact and large droplets (if pneumonia)
<b>Precautions Needed*</b>	<span style="border: 1px solid green; padding: 2px;"><b>Contact Precautions</b></span>
	<span style="border: 1px solid orange; padding: 2px;"><b>Contact and Droplet Precautions</b></span> if patient has active MRSA pneumonia
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 211**

<b>Suspected/Known Disease or Microorganism</b> <b><i>Staphylococcus aureus</i> – not MRSA</b> <b>And other <i>Streptococci</i>, excluding Group A</b>		<b><u>Pneumonia</u></b> <b>Skin infection</b> <b>Staphylococcal scalded skin syndrome (Ritter’s disease)</b>
<b>Clinical Presentation</b>		
<b>Pneumonia:</b>	Pneumonia	
<b>Skin infection:</b>	Wound or burn infections, skin infection, furuncles, impetigo, scalded skin syndrome	
<b>Scalded skin syndrome (Ritter’s disease):</b>	Painful, rash with thick white/brown flakes, fluid filled blisters	
<b>Infectious Substances</b>		
<b>Pneumonia:</b>	Possibly respiratory secretions	
<b>All other cases:</b>	Skin exudates and drainage	
<b>How it is Transmitted</b>		
<b>Pneumonia:</b>	Not applicable	
<b>All other cases:</b>	Direct contact and indirect contact	

*(Continued on next page)*

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 212

Suspected/Known Disease or Microorganism <b><i>Staphylococcus aureus</i> – not MRSA</b> And other <i>Streptococci</i> , excluding Group A  <i>(Continued from previous page)</i>		<b><u>Pneumonia</u></b> <b>Skin infection</b> <b>Staphylococcal scalded skin syndrome (Ritter’s disease)</b>
<b>Precautions Needed*</b>		
<b>Pneumonia:</b> <b>ADULT</b>	<b>Routine Practices</b>	
<b>PEDIATRIC</b>	<b>Droplet Precautions</b>	
<b>All other cases:</b>	<b>Routine Practices</b> - Minor drainage contained by dressing	
	<b>Contact Precautions</b> - Major drainage not contained by dressing	
<b>Duration of Precautions</b>		
<b>Pneumonia:</b> <b>ADULT</b> <b>PEDIATRIC</b>	Not applicable 24 hrs. effective antimicrobial therapy	
<b>All other cases:</b>	Until drainage has stopped or is able to be contained by dressings	

*(Continued on next page)*

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 213

<p>Suspected/Known Disease or Microorganism</p> <p><b><i>Staphylococcus aureus</i> – not MRSA</b></p> <p>And other <i>Streptococci</i>, excluding Group A</p> <p><i>(Continued from previous page)</i></p>		<p><b><u>Pneumonia</u></b></p> <p>Skin infection</p> <p>Staphylococcal scalded skin syndrome (Ritter’s disease)</p>
<p><b>Incubation Period</b></p> <p>Variable</p>	<p><b>Period of Communicability</b></p> <p><b><u>Pneumonia</u></b>: Variable</p> <p><b><u>All other cases</u></b>: While organism is present in drainage</p>	
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u></p>		

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 214

<b>Suspected/Known Disease or Microorganism</b> <b><i>Stenotrophomonas maltophilia</i></b>	
<b>Clinical Presentation</b> Infection or colonization of respiratory secretions/sputum, sepsis	
<b>Infectious Substances</b> Respiratory secretions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> While organism is in respiratory secretions
<b>Comments</b> <ul style="list-style-type: none"> <li>When clusters or outbreaks occur IPC may initiate <b>Contact Precautions</b></li> </ul>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 215

<b>Suspected/Known Disease or Microorganism</b> <b><i>Streptococcus, Group B (Streptococcus agalactiae)</i></b>	
<b>Clinical Presentation</b> Sepsis, meningitis	
<b>Infectious Substances</b> Normal flora	<b>How it is Transmitted</b> Mother to infant shortly before or during delivery
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Early onset: < 7days Late onset: 7 days to 3 months of age	<b>Period of Communicability</b> Variable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 216**

<b>Suspected/Known Disease or Microorganism</b> <i>Streptococcus pneumoniae</i>	
<b>Clinical Presentation</b> Meningitis, bacteremia, epiglottitis, pneumonia	
<b>Infectious Substances</b> Normal flora	<b>How it is Transmitted</b> Not applicable
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 217

<b>Suspected/Known Disease or Microorganism</b> <b>Strongyloidiasis (<i>Strongyloides stercoralis</i>)</b>	
<b>Clinical Presentation</b> Usually asymptomatic	
<b>Infectious Substances</b> Larvae in feces	<b>How it is Transmitted</b> Penetration of skin by larvae Rarely transmitted person-to-person
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Although usual route of transmission is through skin contact of contaminated soil, Fecal-oral transmission can occur.</li> <li>May cause disseminated disease in immunocompromised patient. Refer to: <u><a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></u></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 218**

<b>Suspected/Known Disease or Microorganism</b> <b>Syphilis (<i>Treponema pallidum</i>)</b>	
<b>Clinical Presentation</b> Genital, skin or mucosal lesions, disseminated disease, neurological or cardiac disease, latent infection	
<b>Infectious Substances</b> Genital secretions, lesion exudates	<b>How it is Transmitted</b> Mom to newborn or fetus, sexual contact and direct contact with infectious exudates or lesions
<b>Precautions Needed*</b>	<b>Routine Practices</b>
	<b>Contact Precautions</b> infants with congenital syphilis until 24 hours of effective antimicrobial therapy completed
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 10-90 days	<b>Period of Communicability</b> Communicability exists when moist mucocutaneous lesions of primary and secondary syphilis are present (generally after one year of infection)
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

## T

Tapeworm (*Taenia saginata*, *Taenia solium*, *Diphyllobothrium latum*, *Hymenolepsis nana*)

Tetanus (*Clostridium tetani*)

Toxic shock syndrome

Toxocariasis (*Toxocara canis*, *Toxocara cati*)

Toxoplasmosis (*Toxoplasma gondii*)

Trachoma (*Chlamydia trachomatis*)

Trench fever (*Bartonella quintana*)

*Treponema pallidum*

Trichinosis (*Trichinella spiralis*)

Trichomoniasis (*Trichomonas vaginalis*)

Trichuriasis – whipworm (*Trichuris trichiura*)

Tuberculosis (TB) –

Extrapulmonary (*Mycobacterium tuberculosis*); (also *M. africanum*, *M. bovis*, *M. caprae*, *M. microti*, *M. pinnipedii*, *M. canetti*, *M. bovis BCG*)

Pulmonary disease (*Mycobacterium tuberculosis*); (also *M. africanum*, *M. bovis*, *M. caprae*, *M. microti*, *M. pinnipedii*, *M. canetti*, *M. bovis BCG*)

Non-pulmonary

Tularemia (*Francisella tularensis*)

Typhoid or Paratyphoid fever (*Salmonella typhi*, *Salmonella paratyphi*)

Typhus fever (*Rickettsia typhi*, *Rickettsia prowazekii*)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 220

<b>Suspected/Known Disease or Microorganism</b> <b>Tapeworm (<i>Taenia saginata</i>, <i>Taenia solium</i>, <i>Diphyllobothrium latum</i>, <i>Hymenolepsis nana</i>)</b>	
<b>Clinical Presentation</b> Usually asymptomatic	
<b>Infectious Substances</b> Ova in feces	<b>How it is Transmitted</b> Direct contact and foodborne
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable when foodborne, 2-4 weeks if contact with feces	<b>Period of Communicability</b> <i>T. saginata</i> is not directly transmitted person-to-person, however <i>T. solium</i> can be. Eggs may be viable in the environment for months.
<b>Comments</b> <ul style="list-style-type: none"> <li>Consumption of larvae in raw or undercooked beef, pork or raw fish; larvae develop into adult tapeworms in gastrointestinal tract</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 221**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Tetanus (<i>Clostridium tetani</i>)</b>	
<b>Clinical Presentation</b>	
Headache, jaw cramping, sudden involuntary muscle tightening, painful muscle stiffness all over body, trouble swallowing, seizures, fever, sweating, high blood pressure and fast heart rate	
<b>Infectious Substances</b>	<b>How it is Transmitted</b>
Soil or fomites contaminated with animal and human feces	Tetanus spores are usually introduced through a puncture wound contaminated with soil or feces  No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b>	
Not applicable	
<b>Incubation Period</b>	<b>Period of Communicability</b>
1 day to several months	Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 222

<b>Suspected/Known Disease or Microorganism</b> <b>Toxocariasis (<i>Toxocara canis</i>, <i>Toxocara cati</i>)</b>	
<b>Clinical Presentation</b> Fever, wheeze, rash, eosinophilia	
<b>Infectious Substances</b> Acquired from contact with dogs, cats	<b>How it is Transmitted</b> Ova in dog or cat feces
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 223**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Toxoplasmosis (<i>Toxoplasma gondii</i>)</b>	
<b>Clinical Presentation</b> Asymptomatic or fever, lymphadenopathy, retinitis, encephalitis in immunocompromised patient, congenital infection	
<b>Infectious Substances</b> Cat feces, contaminated soil	<b>How it is Transmitted</b> Acquired by contact with infected cat feces or soil contaminated by cats, consumption of raw meat, contaminated raw vegetables or contaminated water No person-to-person transmission except mother to fetus.
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 5-23 days	<b>Period of Communicability</b>
<b>Comments</b> <ul style="list-style-type: none"> <li>For immunocompromised patient, precautions need to be maintained for a longer duration due to prolonged viral shedding: Refer to: <u><a href="#">Infection Prevention and Control Considerations for Immunocompromised Patients</a></u></li> <li>Oocysts shed by cats become infective 1-5 days later and can remain viable in the soil for a year.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 224

<b>Suspected/Known Disease or Microorganism</b> <b>Trachoma (<i>Chlamydia trachomatis</i>)</b>	
<b>Clinical Presentation</b> Conjunctivitis	
<b>Infectious Substances</b> Ocular drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 5-12 days	<b>Period of Communicability</b> As long as organism is present in secretions
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)



IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 225

<b>Suspected/Known Disease or Microorganism</b> <b>Trench fever (<i>Bartonella quintana</i>)</b>	
<b>Clinical Presentation</b> Headache, malaise, pain and tender shins, splenomegaly, rash	
<b>Infectious Substances</b> Feces of human body lice	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 7-30 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 226

<b>Suspected/Known Disease or Microorganism</b> <b>Trichinosis (<i>Trichinella spiralis</i>)</b>	
<b>Clinical Presentation</b> Fever, rash, diarrhea	
<b>Infectious Substances</b> Acquired from consumption of infected meat	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 5-45 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 227

<b>Suspected/Known Disease or Microorganism</b> <b>Trichomoniasis (<i>Trichomonas vaginalis</i>)</b>	
<b>Clinical Presentation</b> Vaginitis	
<b>Infectious Substances</b> Vaginal secretions and urethral discharges of infected people	<b>How it is Transmitted</b> Sexual contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 4-28 days	<b>Period of Communicability</b> Duration of infection
<b>Comments</b>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 228

<b>Suspected/Known Disease or Microorganism</b> <b>Trichuriasis – whipworm (<i>Trichuris trichiura</i>)</b>	
<b>Clinical Presentation</b> Abdominal pain, diarrhea	
<b>Infectious Substances</b> Acquired from ova in soil	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Unknown	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Acquired through ingestion of contaminated soil. Ova must hatch in soil to be infective.</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
Recommendations for Managements of Patients  
Acute Care | 229

<b>Suspected/Known Disease or Microorganism</b>	
<b>Tuberculosis (TB) –</b> Extrapulmonary ( <i>Mycobacterium tuberculosis</i> ); (also <i>M. africanum</i> , <i>M. bovis</i> , <i>M. caprae</i> , <i>M. microti</i> , <i>M. pinnipedii</i> , <i>M. canetti</i> , <i>M. bovis BCG</i> )  Pulmonary disease ( <i>Mycobacterium tuberculosis</i> ); (also <i>M. africanum</i> , <i>M. bovis</i> , <i>M. caprae</i> , <i>M. microti</i> , <i>M. pinnipedii</i> , <i>M. canetti</i> , <i>M. bovis BCG</i> )	
<b>Clinical Presentation</b>	
<b>Extrapulmonary:</b>	Meningitis, bone, joint infection, draining lesions
<b>Pulmonary:</b>	Confirmed or suspected pulmonary tuberculosis (may include pneumonia, cough, fever, night sweats, weight loss), laryngeal tuberculosis
<b>Infectious Substances</b>	
<b>Extrapulmonary:</b>	Drainage
<b>Pulmonary:</b>	Exhaled airborne particles
<b>How it is Transmitted</b>	
<b>Extrapulmonary:</b>	Aerosolized wound drainage
<b>Pulmonary:</b>	Airborne
<b>Precautions Needed*</b>	
<b>Extrapulmonary:</b>	<b>Airborne Precautions</b> required only if procedures that may aerosolize drainage are being performed or suspicion of miliary tuberculosis with pulmonary involvement
<b>Pulmonary:</b>	<b>Airborne Precautions</b>

(Continued on next page)

Suspected/Known Disease or Microorganism		
<p><b>Tuberculosis (TB) –</b>  <b>Extrapulmonary (<i>Mycobacterium tuberculosis</i>); (also <i>M. africanum</i>, <i>M. bovis</i>, <i>M. caprae</i>, <i>M. microti</i>, <i>M. pinnipedii</i>, <i>M. canetti</i>, <i>M. bovis BCG</i>)</b>  <b>Pulmonary disease (<i>Mycobacterium tuberculosis</i>); (also <i>M. africanum</i>, <i>M. bovis</i>, <i>M. caprae</i>, <i>M. microti</i>, <i>M. pinnipedii</i>, <i>M. canetti</i>, <i>M. bovis BCG</i>)</b>  <i>(Continued from previous page)</i></p>		
<b>Duration of Precautions</b>		
<b>Extrapulmonary:</b>	While viable organisms are in drainage	
<b>Pulmonary TB smear status:</b>	<b>Rifampin-susceptible</b>	<b>Confirmed or suspect rifampin-resistant</b>
<b>Smear-negative</b>	Precautions can be discontinued once there is clinical evidence of improvement and a minimum of two weeks of effective therapy has been completed.	Discontinuing airborne precautions may be considered once there is clinical improvement, second-line drug susceptibility results are available, a minimum of 4 weeks of effective therapy has been completed and, for those initially smear-positive, three consecutive sputum smears are negative.
<b>Smear-positive</b>	Precautions can be discontinued once there is clinical evidence of improvement, a minimum of 2 weeks of effective therapy has been completed and there are 3 consecutive negative acid-fast bacilli sputum smears.	
<b>Persistent smear-positive</b>	Discontinuation of precautions may be considered once there is clinical evidence of improvement and a minimum of 4 weeks of effective therapy has been completed.	

*(Continued on next page)*

<p><b>Suspected/Known Disease or Microorganism</b></p> <p><b>Tuberculosis (TB) –</b>  <b>Extrapulmonary (<i>Mycobacterium tuberculosis</i>); (also <i>M. africanum</i>, <i>M. bovis</i>, <i>M. caprae</i>, <i>M. microti</i>, <i>M. pinnipedii</i>, <i>M. canetti</i>, <i>M. bovis BCG</i>)</b>  <b>Pulmonary disease (<i>Mycobacterium tuberculosis</i>); (also <i>M. africanum</i>, <i>M. bovis</i>, <i>M. caprae</i>, <i>M. microti</i>, <i>M. pinnipedii</i>, <i>M. canetti</i>, <i>M. bovis BCG</i>)</b>  <i>(Continued from previous page)</i></p>	
<p><b>Incubation Period</b></p>	
<b>All Cases:</b>	Weeks to years
<p><b>Period of Communicability</b></p>	
<b>Extrapulmonary:</b>	Only during procedures which may result in aerosolization of infected drainage
<b>Pulmonary:</b>	While organisms are in sputum
<p><b>Comments</b></p> <p>*Precautions required are in addition to <u>Routine Practices</u></p> <p><b>Extrapulmonary:</b></p> <ul style="list-style-type: none"> <li>• <b>Physician to notify Medical Officer of Health of case by fastest means possible</b></li> <li>• Assess for concurrent pulmonary tuberculosis</li> <li>• Avoid procedures that may generate aerosols from drainage</li> </ul> <p><b>Pulmonary:</b></p> <ul style="list-style-type: none"> <li>• <b>Physician to Notify Medical Officer of Health of case by fastest means possible.</b></li> <li>• Contact Infection Prevention and Control for discontinuation of precautions</li> <li>• Young children with tuberculosis are rarely infectious as they usually do not cough or have cavitary disease so may not require <b>Airborne Precautions</b>. <b>Airborne Precautions</b> should be implemented until an expert in tuberculosis management deems the patient <i>non-infectious</i>.</li> <li>• Household/close contacts visiting pediatric patients admitted with suspected TB should remain in the patient's room and when leaving the room should wear a procedure mask until active TB disease can be ruled out in the visiting contacts.</li> </ul> <p>If the patient is deceased, refer to the <u>Alberta Bodies of Deceased Persons Regulations</u>.</p>	

*(Continued on next page)*

Suspected/Known Disease or Microorganism

**Tuberculosis (TB) –**

**Extrapulmonary (*Mycobacterium tuberculosis*); (also *M. africanum*, *M. bovis*, *M. caprae*, *M. microti*, *M. pinnipedii*, *M. canetti*, *M. bovis BCG*)**

**Pulmonary disease (*Mycobacterium tuberculosis*); (also *M. africanum*, *M. bovis*, *M. caprae*, *M. microti*, *M. pinnipedii*, *M. canetti*, *M. bovis BCG*)**

*(Continued from previous page)*

**Comments (continued)**

• **Discharge Settle Time**

*Non-negative pressure rooms:*

- Do not admit a new patient into this room for at least 2 hours. If entering room before 2 hours wear an N95 respirator

*Negative pressure rooms:*

- Do not admit a new patient into this room for at least 45 minutes. If entering room before 45 minutes wear an N95 respirator
- Alternatively, if specific air exchange rates for the room are known, refer to [Table 1: Air Clearance Rates](#) to determine discharge settle times

**References:** [PHAC \(2012\)](#), [CDC \(2016\)](#), [GOVT AB \(2013\)](#), [Cdn.TB Std.](#)



**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 233**

<b>Suspected/Known Disease or Microorganism</b> <b>Tularemia (<i>Francisella tularensis</i>)</b>	
<b>Clinical Presentation</b> Fever, lymphadenopathy, pneumonia	
<b>Infectious Substances</b> Acquired from contact with infected animals	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 1-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• Physician to notify Medical Officer of Health of case by fastest means possible</li> <li>• May be bioterrorism related</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 234

<b>Suspected/Known Disease or Microorganism</b> <b>Typhoid or Paratyphoid fever (<i>Salmonella typhi</i>, <i>Salmonella paratyphi</i>)</b>	
<b>Clinical Presentation</b> Sustained fever, headache, malaise, anorexia	
<b>Infectious Substances</b> Feces, urine	<b>How it is Transmitted</b> Direct contact, indirect contact and foodborne
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 3-60 days for enteric fever	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>• <b>Physician to notify Medical Officer of Health of case by fastest means possible</b></li> </ul>	

**References:** [PHAC \(2012\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 235

<b>Suspected/Known Disease or Microorganism</b> <b>Typhus fever (<i>Rickettsia typhi</i>, <i>Rickettsia prowazekii</i>)</b>	
<b>Clinical Presentation</b> Fever, rash	
<b>Infectious Substances</b> Acquired from bite of fleas or lice	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 5-14 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>Physician to notify Medical Officer of Health of case by fastest means possible</li> <li>If the patient is deceased, refer to the <u>Alberta Bodies of Deceased Persons Regulations</u></li> </ul>	

**References:** [PHAC \(2012\)](#)

## U

Urinary tract infection

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 237**

<b>Suspected/Known Disease or Microorganism</b>	
<b>Urinary tract infection</b>	
<b>Clinical Presentation</b> May vary depending on individual but often involves pain/burning during urination, frequency, urgency, suprapubic/back pain.	
<b>Infectious Substances</b> Urine	<b>How it is Transmit</b> Direct and Indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> <ul style="list-style-type: none"> <li>• See specific organism once identified</li> <li>• Additional precautions not required unless infection caused by a multi-drug-resistant organism</li> </ul>	

**References:** [CDC \(2007\)](#)

## V

Vancomycin-intermediate *Staphylococcus aureus* (VISA)

Vancomycin-resistant *Enterococcus* (VRE)

Vancomycin-resistant *Staphylococcus aureus* (VRSA)

Varicella zoster virus – Chickenpox

Chickenpox – Exposed susceptible contact

Chickenpox – Known case

Varicella zoster virus – Herpes Zoster: Shingles

Shingles - Disseminated Shingles

Shingles - Exposed susceptible contact

Shingles - Immunocompromised patient, localized (1 or 2 dermatomes)

Shingles - Localized (1 or 2 dermatomes AND lesions that CANNOT be covered with dressings or clothing)

Shingles - Localized (1 or 2 dermatomes AND lesions that CAN be covered with dressings or clothing)

Viral hemorrhagic fever (VHF)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 239

<b>Suspected/Known Disease or Microorganism</b> <b>Vancomycin-intermediate <i>Staphylococcus aureus</i> (VISA)</b>	
<b>Clinical Presentation</b> Infection or colonization of any body site	
<b>Infectious Substances</b> Infected or colonized secretions/excretions Respiratory secretions if pneumonia	<b>How it is Transmitted</b> Direct contact and indirect contact, and large droplets (if pneumonia)
<b>Precautions Needed*</b>	<span style="border: 1px solid green; padding: 2px;"><b>Contact Precautions</b></span>
	<span style="border: 1px solid orange; padding: 2px;"><b>Contact and Droplet Precautions</b></span> if patient has active VISA pneumonia
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Duration of colonization
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 240

<b>Suspected/Known Disease or Microorganism</b> <b>Vancomycin-resistant <i>Enterococcus</i> (VRE)</b>	
<b>Clinical Presentation</b> Infection or colonization of any body site (infections of the urinary tract, the bloodstream, or of wounds associated with catheters or surgical procedures)	
<b>Infectious Substances</b> Infected or colonized secretions, excretions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Duration of colonization
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)



IPC Diseases and Condition Table  
 Recommendations for Managements of Patients  
 Acute Care | 241

<b>Suspected/Known Disease or Microorganism</b> <b>Vancomycin-resistant <i>Staphylococcus aureus</i> (VRSA)</b>	
<b>Clinical Presentation</b> Infection or colonization of any body site	
<b>Infectious Substances</b> Infected or colonized secretions, excretions Respiratory secretions if pneumonia	<b>How it is Transmitted</b> Direct contact, indirect contact, and large droplets (if pneumonia)
<b>Precautions Needed*</b>	<b>Contact Precautions</b>
	<b>Contact and Droplet Precautions</b> if patient has active VRSA pneumonia
<b>Duration of Precautions</b> As directed by Infection Prevention and Control	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Duration of colonization
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

Suspected/Known Disease or Microorganism <b>Varicella zoster virus – Chickenpox</b>	<b>Chickenpox: Exposed susceptible contact</b>	<b>Chickenpox: Known case</b>
<b>Clinical Presentation</b>	Asymptomatic	Generalized, Itchy, vesicular rash with lesions in varying stages of weeping, crusting, mild fever. Rash usually appears first on the head, chest and back before spreading to the rest of the body. Vesicular lesions are mostly concentrated on the chest and back.
<b>Infectious Substances</b>	If lesions develop: vesicular fluid and exhaled airborne particles	Vesicular fluid, respiratory secretions
<b>How it is Transmitted</b>	Exhale droplets, Airborne	Airborne, direct contact, indirect contact
<b>Precautions Needed*</b>	<b><u>Airborne Precautions</u></b>	<b><u>Airborne and Contact Precautions</u></b>
<b>Duration of Precautions</b>	From 8 days after first contact until 21 days after last contact with person with active disease (or 28 days if given VZIG)	Until all lesions have crusted and dried
<b>Incubation Period</b>	10-21 days or 28 days if given VZIG	10-21 days
<b>Period of Communicability</b>	Once incubation period has ended and no lesions have developed	Until all lesions have crusted and dried 2 days before lesions appear until all lesions have crusted and dried
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>  <b>References:</b> <a href="#">PHAC (2012)</a> , <a href="#">CDC (2007)</a>	<ul style="list-style-type: none"> <li>Non-immune persons should not enter except in urgent or compassionate circumstances. If immunity is unknown, assume person is non-immune.</li> <li>Susceptible non-immune healthcare providers should not enter the room during the incubation period of exposed patients (day 8 from exposure to additional 21 or 28 days if given VZIG) if immune staff are available. If non-immune staff must enter the room an N95 respirator must be worn</li> <li>Individuals with known immunity (history of past illness or vaccination with 2 appropriately timed doses of varicella vaccine or laboratory evidence of immunity) are not required to wear the N95 respirator when entering the room</li> <li>Defer non-urgent admissions if there is an exposed susceptible contact within their incubation period.</li> <li>Newborn: If mom develops chickenpox &lt;5 days before giving birth or 48 hours after, place newborn on Airborne Precautions. Newborn needs to be assessed for VZIG and put on Airborne Precautions till assessed by IPC.</li> <li>If lesions develop, the contact becomes a known case. Follow recommendations for a known case and place patient on <b>Airborne and Contact Precautions</b></li> <li>Exposure to either chickenpox or shingles can result in a chickenpox infection in Varicella susceptible individuals.</li> </ul>	<b>All Cases:</b> <ul style="list-style-type: none"> <li>Exercise care when handling dressings, clothing or other materials that may be contaminated with vesicular fluid</li> <li>Non-immune persons should not enter except in urgent or compassionate circumstances. If immunity is unknown, assume person is non-immune</li> <li>Susceptible healthcare providers should not enter the room if immune staff are available. If they must enter the room an N95 respirator must be worn</li> <li>Individuals with known immunity (history of past illness or vaccination with 2 appropriately timed doses of varicella vaccine or laboratory evidence of immunity) are not required to wear the N95 respirator when entering the room</li> <li>Defer non-urgent admissions if chickenpox or disseminated zoster is present</li> </ul> <b>Discharge Settle Time</b> Non-negative pressure rooms: <ul style="list-style-type: none"> <li>Do not admit a new patient into this room for at least 2 hours. If entering room before 2 hours and non-immune, wear an N95 respirator</li> </ul> Negative pressure rooms: <ul style="list-style-type: none"> <li>Do not admit a new patient into this room for at least 45 minutes. If entering room before 45 minutes, and non-immune, wear an N95 respirator</li> <li>Alternatively, if specific air exchange rates for the room are known, refer to Table 1: Air Clearance Rates to determine discharge settle times</li> <li>Susceptible high-risk contacts should be given VZIG as soon as possible within 10 days of exposure</li> <li>Immunocompromised patient additional precautions need to be maintained for a longer duration due to prolonged viral shedding</li> </ul>

Suspected/Known Disease or Microorganism <b>Varicella zoster virus – Herpes Zoster: Shingles</b>	Shingles - Localized (1 or 2 dermatomes AND lesions that CAN be covered with dressings or clothing)	Shingles - Localized (1 or 2 dermatomes AND lesions that CANNOT be covered with dressings or clothing)	Shingles - immunocompromised patients, localized (1 or 2 dermatomes)	Shingles - Disseminated	Shingles - Exposed susceptible contact
<b>Clinical Presentation</b>	Vesicular lesions in a dermatomal distribution, refer to <a href="#">Dermatome Chart</a>			Vesicular lesions that involve multiple areas (>2 dermatomes) with possible visceral complications, refer to <a href="#">Dermatome Chart</a>	Asymptomatic
<b>Infectious Substances</b>	Vesicular fluid		Vesicular fluid, respiratory secretions		Exhaled airborne particles
<b>How it is Transmitted</b>	Direct contact and indirect contact		Airborne, direct contact, indirect contact		Airborne
<b>Precautions Needed*</b>	<b><u>Routine Practices</u></b>	<b><u>Contact Precautions</u></b>	<b><u>Airborne and Contact Precautions</u></b>		<b><u>Airborne Precautions</u></b>
<b>Duration of Precautions</b>	Not applicable	Until all lesions have crusted and dried			From 8 days after first contact until 21 days after last contact with person with active disease (or 28 days if given VZIG)
<b>Incubation Period</b>	Not applicable	10-21 days or 28 days if given VZIG			
<b>Period of Communicability</b>	Not applicable	Until all lesions have crusted and dried			Once incubation period has ended and no lesions have developed
<b>Comments</b> <small>*Precautions required are in addition to <a href="#">Routine Practices</a>.</small>	• Exercise care when handling dressings, clothing or other materials that may be contaminated with vesicular fluid				<ul style="list-style-type: none"> <li>• Newborn: If mom develops chickenpox &lt;5 days before giving birth or 48 hours after, place newborn on Airborne Precautions. Newborn needs to be assessed for VZIG and put on Airborne</li> <li>• If lesions develop, the contact becomes a known case. Follow recommendations for a known case and place patient on Airborne and Contact Precautions</li> </ul>
<b>References:</b> <a href="#">PHAC (2012)</a> , <a href="#">CDC (2007)</a>	<p><b>All Cases:</b></p> <ul style="list-style-type: none"> <li>• Defer non-urgent admissions if chickenpox or disseminated zoster is present or an exposed susceptible contact is within their incubation period.</li> <li>• Individuals with known immunity (history of past illness or vaccination with 2 appropriately timed doses of varicella vaccine or laboratory evidence of immunity) are not required to wear the N95 respirator when entering the room</li> <li>• If immunity is unknown, assume person is non-immune</li> <li>• Susceptible non-immune healthcare providers should not enter the room during the incubation period of exposed patients (day 8 from exposure to additional 21 or 28 days if given VZIG) or known shingles cases, if immune staff are available. If non-immune staff must enter the room a fit-tested N95 respirator must be worn.</li> <li>• Exposure to either chickenpox or shingles can result in a chickenpox infection in Varicella susceptible individuals</li> <li>• Susceptible high-risk contacts should be given VZIG as soon as possible within 10 days of exposure</li> </ul> <p><b>Immunocompromised patient, localized (1 or 2 dermatomes)</b></p> <ul style="list-style-type: none"> <li>• If treated: Until 24 hours of effective therapy AND no new lesions, then manage as for localized zoster (shingles)</li> </ul>				<p><b>For patients on Airborne Precautions: Discharge Settle Time</b></p> <p>Non-negative pressure rooms:</p> <ul style="list-style-type: none"> <li>• Do not admit a new patient into this room for at least 2 hours. If entering room before 2 hours and non-immune, wear an N95 respirator</li> </ul> <p>Negative pressure rooms:</p> <ul style="list-style-type: none"> <li>• Do not admit a new patient into this room for at least 45 minutes. If entering room before 45 minutes, and non-immune, wear an N95 respirator</li> <li>• Alternatively, if specific air exchange rates for the room are known, refer to Table 1: Air Clearance Rates to determine discharge settle times</li> <li>• Susceptible high-risk contacts should be given VZIG as soon as possible within 10 days of exposure</li> <li>• Non-immune persons should not enter except in urgent or compassionate circumstances. If immunity is unknown, assume person is non-immune</li> <li>• Individuals with known immunity (history of past illness or vaccination with 2 appropriately timed doses of varicella vaccine or laboratory evidence of immunity) are not required to wear the N95 respirator when entering the room</li> </ul>

**W**

West Nile (West Nile virus)

Western equine encephalitis

Whooping cough

Wound infection – (*Staphylococcus aureus*, *Streptococcus* Group A, many other bacteria)

Wuhan Coronavirus

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 245**

<b>Suspected/Known Disease or Microorganism</b> <b>West Nile (West Nile virus)</b>	
<b>Clinical Presentation</b> Sudden onset fever, headache, muscle pain and weakness, abdominal pain, nausea, vomiting and diarrhea, may have rash	
<b>Infectious Substances</b> <i>Culex</i> mosquito	<b>How it is Transmitted</b> No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> Variable, usually 3-21 days	<b>Period of Communicability</b> Communicability of disease not seen except by organ transplant, breast milk or transplacental
<b>Comments</b> <ul style="list-style-type: none"> <li>Physician to notify Medical Officer of Health</li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Western equine encephalitis</b>	
<b>Clinical Presentation</b> Fever, encephalomyelitis	
<b>Infectious Substances</b> <i>Aedes</i> and <i>Culex</i> mosquito	<b>How it is Transmitted</b> Bite of mosquito No person-to-person transmission
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 5-15 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• Virus found in birds, bats, and possible rodents</li> <li>• <b>Physician to notify Medical Officer of Health</b></li> </ul>	

**References:** [PHAC \(2012\)](#)

<b>Suspected/Known Disease or Microorganism</b> <b>Wound infection – (<i>Staphylococcus aureus</i>, <i>Streptococcus</i> Group A, many other bacteria)</b>	
<b>Clinical Presentation</b> Draining wound, redness or heat around wound, inflammation, rash, blisters, scaly patches	
<b>Infectious Substances</b> Drainage	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed*</b>	<b>Routine Practices</b> Minor drainage contained by dressing
	<b>Contact Precautions</b> Major drainage not contained by dressing
<b>Duration of Precautions</b> Until symptoms resolve or return to baseline	
<b>Incubation Period</b> Variable	<b>Period of Communicability</b> Variable
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u> <ul style="list-style-type: none"> <li>See specific organism once identified</li> </ul>	

**References:** [PHAC \(2012\)](#)

**X**

No organisms at this time



**Y**

Yaws (*Treponema pallidum*)

Yellow fever

*Yersinia enterocolitica*, *Yersinia pseudotuberculosis*

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 250**

<b>Suspected/Known Disease or Microorganism</b> <b>Yaws (<i>Treponema pallidum</i>)</b>	
<b>Clinical Presentation</b> Cutaneous lesions, late-stage destructive lesions of skin and bone	
<b>Infectious Substances</b> Exudates from skin lesions	<b>How it is Transmitted</b> Direct contact and indirect contact
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 9 days to 3 months	<b>Period of Communicability</b> Variable
<b>Comments</b>	

**References:** [PHAC \(2012\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 251**

<b>Suspected/Known Disease or Microorganism</b> <b>Yellow fever</b>	
<b>Clinical Presentation</b> Sudden fever, chills, headache, back and muscle aches, nausea, vomiting, prostration	
<b>Infectious Substances</b> Human blood	<b>How it is Transmitted</b> Bite of mosquito Person-to-person transmission not seen
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 3-6 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <ul style="list-style-type: none"> <li>• If the patient is deceased, refer to the <u>Alberta Bodies of Deceased Persons Regulations</u>.</li> <li>• <b>Physician to notify Medical Officer of Health</b></li> </ul>	

**References:** [PHAC \(2012\)](#), [CDC \(2007\)](#)

**IPC Diseases and Condition Table**  
**Recommendations for Managements of Patients**  
**Acute Care | 252**

<b>Suspected/Known Disease or Microorganism</b> <i>Yersinia enterocolitica, Yersinia pseudotuberculosis</i>	
<b>Clinical Presentation</b> Diarrhea	
<b>Infectious Substances</b> Feces	<b>How it is Transmitted</b> Direct contact, indirect contact and foodborne
<b>Precautions Needed*</b>	<b>Contact Precautions</b> If patient <ul style="list-style-type: none"> <li>• is incontinent</li> <li>• has stools that cannot be contained</li> <li>• has poor hygiene and may contaminate his/her environment</li> </ul>
<b>Duration of Precautions</b> Until symptoms have stopped for 48 hours AND after at least one normal/baseline or formed bowel movement OR until patient is continent and has good hygiene	
<b>Incubation Period</b> 3-7 days	<b>Period of Communicability</b> Until symptoms resolve
<b>Comments</b> *Precautions required are in addition to <u>Routine Practices</u>	

**References:** [PHAC \(2012\)](#)

**Z**

Zika virus (*Flavivirus*)

Zoster

<b>Suspected/Known Disease or Microorganism</b> <b>Zika virus (<i>Flavivirus</i>)</b>	
<b>Clinical Presentation</b> Fever, skin rashes, conjunctivitis, muscle and joint pain, malaise, and headache	
<b>Infectious Substances</b> Blood, possibly body fluids (some evidence for sexual transmission) Breastmilk*	<b>How it is Transmitted</b> Mosquito bite (mainly <i>Aedes aegypti</i> in tropical regions), potential by ticks, maternal infant transmission in utero, possibly sexually transmitted
<b>Precautions Needed</b>	<b>Routine Practices</b>
<b>Duration of Precautions</b> Not applicable	
<b>Incubation Period</b> 2-12 days	<b>Period of Communicability</b> Not applicable
<b>Comments</b> <p>* Zika RNA has been detected in breastmilk: however, at the time of publication there have not been any documented reports of transmission to infants through breastfeeding. The opinion of CATMAT and the World Health Organizations is that “the benefits of breastfeeding for the infant and mother outweigh any potential risk of Zika virus transmission through breastmilk”</p> <ul style="list-style-type: none"> <li>• Infection in humans is acquired most frequently during blood feeding by the infected mosquito</li> <li>• <b>Physician to notify Medical Officer of Health</b></li> </ul>	

**References:** [PHAC \(2018\)](#)

## References

Becker-Dreps S, González F, Bucardo F. Sapovirus: an emerging cause of childhood diarrhea. *Curr Opin Infect Dis.* 2020 Oct;33(5):388-397. doi: 10.1097/QCO.0000000000000671. PMID: 32796163; PMCID: PMC7748384. [Sapovirus: an emerging cause of childhood diarrhea - PMC \(nih.gov\)](#)

Centres for Disease Control and Prevention, Anthrax. (2017, January). Retrieved April 5, 2018, from <https://www.cdc.gov/anthrax/>

Centres for Disease Control and Prevention, Antibiotic / Antimicrobial Resistance. (2017, August). Retrieved April 5, 2018, from <https://www.cdc.gov/drugresistance/index.html>

Centres for Disease Control and Prevention, Healthcare-associated Infections (HAI), Diseases and Organisms, *Burkholderia cepacia* in Healthcare Settings. (2011). Retrieved April 5, 2018, from <http://www.cdc.gov/HAI/organisms/bCepacia.html>

Centres for Disease Control and Prevention, Healthcare-associated Infections (HAI), Diseases and Organisms, Gram-negative Bacteria Infections in Healthcare Settings. (2011). Retrieved April 5, 2018, from <https://www.cdc.gov/hai/organisms/gram-negative-bacteria.html>

Centres for Disease Control and Prevention, Healthcare-associated Infection (HAI), Diseases and Organisms, *Pseudomonas aeruginosa* in Healthcare Settings. (2013). Retrieved April 5, 2018, from <http://www.cdc.gov/hai/organisms/pseudomonas.html>

Centre for Disease Control and Prevention, Infection Control, Multidrug-resistant Organisms (MDRO) Management. Management of Multi-drug Resistant Organisms in Healthcare Settings (2006). Retrieved April 5, 2018, from <https://www.cdc.gov/infectioncontrol/guidelines/mdro/>

Centres for Disease Control and Prevention, Influenza (Flu), Information on Avian Influenza. (2017, August). Retrieved April 5, 2018, from <https://www.cdc.gov/flu/avianflu/>

Centres for Disease Control and Prevention Infection Control, Isolation Precautions: Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings. (2007). Retrieved April 6, 2018, from <https://www.cdc.gov/infectioncontrol/guidelines/isolation/index.html>

Centres for Disease Control and Prevention, Malaria, About Malaria, Disease (2015). Retrieved April 9, 2018, from <https://www.cdc.gov/malaria/about/disease.html>

Centres for Disease Control and Prevention, Management of Multidrug-Resistant Organisms in Healthcare Settings, 2006; Retrieved April 9, 2018, from <https://www.cdc.gov/infectioncontrol/pdf/guidelines/mdro-guidelines.pdf>

## References (continued)

Centres for Disease Control and Prevention, Melioidosis, For Healthcare Workers. (2016). Retrieved April 20, 2018, from <http://www.cdc.gov/melioidosis/health-care-workers.html>

Centres for Disease Control and Prevention; NNDSS, Surveillance Case Definitions, Brucellosis (*Brucella* spp.) Case Definition. (2010). Retrieved April 5, 2018, from <https://www.cdc.gov/nndss/conditions/brucellosis/case-definition/2010/>

Centres for Disease Control and Prevention, Parasites - Amebiasis - *Entamoeba histolytica* Infection. (2015, December). Retrieved April 5, 2018, from <https://www.cdc.gov/parasites/amebiasis/>

Centres for Disease Control and Prevention, Parasites – Ascariasis. (2018, February). Retrieved April 5, 2018, from <https://www.cdc.gov/parasites/ascariasis/>

Centres for Disease Control and Prevention, Tuberculosis (TB). (2016). Retrieved April 23, 2018, from <https://www.cdc.gov/tb/default.htm>

Centres for Disease Control and Prevention, Vaccine Safety, Guillain-Barré Syndrome. (2015). Retrieved April 10, 2018, from <https://www.cdc.gov/vaccinesafety/concerns/guillain-barre-syndrome.html>

Cohen, S. H., MD, Gerding, D. N., MD, Johnson, S., MD, KELLY, C. P., MD, Loo, V. G., MD, McDonald, C. L., MD... Wilcox, M. H., MD. (2010, May). Clinical Practice Guidelines for *Clostridium difficile* Infection in Adults: 2010 Update by the Society for Healthcare Epidemiology of America (SHEA) and the Infectious Diseases Society of America (IDSA), *Infection Control and Hospital Epidemiology* (2010, May), Vol. 31, No. 5. Retrieved April 5, 2018, from <https://www.cdc.gov/HAI/pdfs/cdiff/Cohen-IDSA-SHEA-CDI-guidelines-2010.pdf>

Govan, J.R., Brown, P.H., Maddison J, et al. (1993), Survival of *Burkholderia cepacia* on Environmental Surfaces, *Journal of Hospital Infection*, (1996, March 23), Vol. 32, Issue 4, Pages 267-276. Retrieved April 5, 2018, from <https://www.sciencedirect.com/science/article/pii/S0195670196900377>

Government of Alberta, Publications, Public Health Notifiable Disease Management Guidelines: Tuberculosis (TB). (2013, April). Retrieved April 23, 2018, from <https://open.alberta.ca/publications/tuberculosis-tb>

Government of Canada, Canadian Immunization Guide: Part 4 – Active Vaccines, Rubella Vaccine. (2016, August). Retrieved April 6, 2018, from <https://www.canada.ca/en/public-health/services/publications/healthy-living/canadian-immunization-guide-part-4-active-vaccines/page-20-rubella-vaccine.html>



## References (continued)

Reploeg, D, Storch, G.A., Clifford, D.B., Infectious Diseases Society of America, BK Virus: A Clinical Review, *Clinical Infectious Diseases*, Vol. 33, Issue 2. (2001, July).  
<http://cid.oxfordjournals.org/content/33/2/191.full>

Information Center for Sickle Cell and Thalassemic Disorders, Transient Aplastic Crisis in Hemolytic Anemias. (2002, April). Retrieved April 19, 2018 from [http://sickle.bwh.harvard.edu/aplastic\\_crisis.html](http://sickle.bwh.harvard.edu/aplastic_crisis.html)

Manchanda et al. (2010). Multidrug Resistant *Acinetobacter*. *Journal of Global Infectious Diseases* 2(3): 291. Retrieved April 6, 2018, from <http://www.igid.org/text.asp?2010/2/3/291/68538>

Public Health Agency of Canada, Diseases and Conditions, Polio: Symptoms and treatment. (2023). Retrieved August 11, 2023, from <https://www.canada.ca/en/public-health/services/diseases/poliomyelitis-polio/health-professionals.html>

Public Health Agency of Canada, Diseases and Conditions, Zika virus. (2018). Retrieved April 9, 2018, from <https://www.canada.ca/en/public-health/services/diseases/zika-virus/health-professionals-zika-virus.html>

Public Health Agency of Canada, Emerging Respiratory Pathogens, Coronaviruses. (2016). Retrieved April 9, 2018, from <https://www.canada.ca/en/public-health/services/emerging-respiratory-pathogens.html>

Public Health Agency of Canada, Guidance: Infection Prevention and Control Measures for Healthcare Workers in All Healthcare Settings, Carbapenem-resistant Gram-negative Bacilli. (2010). Retrieved April 24, 2018 from <http://www.phac-aspc.gc.ca/nois-sinp/guide/ipcm-mpci/pdf/guide-eng.pdf>

Public Health Agency of Canada, Immunization and Vaccines, Vaccine-Preventable Diseases, Haemophilus Influenzae Disease, (2014). Retrieved April 9, 2018, from <https://www.canada.ca/en/public-health/services/immunization/vaccine-preventable-diseases/haemophilus-influenzae-disease/health-professionals.html>

Public Health Agency of Canada, Infection Control Guidelines, Classic Creutzfeldt-Jakob Disease in Canada Quick Reference Guide. (2017). Retrieved April 6, 2018, from <http://www.phac-aspc.gc.ca/nois-sinp/pdf/cjd-eng.pdf>

<https://www.canada.ca/en/public-health/services/publications/diseases-conditions/infection-prevention-control-guidance-middle-east-respiratory-syndrome-coronavirus-mers-cov-acute-care-settings.html>

## References (continued)

Public Health Agency of Canada, Infection Prevention and Control Guidance for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Acute Care Settings. (2016, May 17). Retrieved April 6, 2018, from Public Health Agency of Canada, Infectious Diseases, Hepatitis. (2015). Retrieved April 9, 2018, from Public Health Agency of Canada, Infectious Diseases, Pandemic Preparedness, Frequently Asked Questions – Pandemic Preparedness. (2012). Retrieved April 9, 2018, from <http://www.phac-aspc.gc.ca/influenza/pp-faq-eng.php>

Public Health Agency of Canada, Infectious Diseases, Viral Haemorrhagic Fevers. (2015). Retrieved April 9, 2018, from <http://www.phac-aspc.gc.ca/id-mi/vhf-fvh/index-eng.php>

Public Health Agency of Canada, Laboratory Biosafety and Biosecurity, Pathogen Safety Data Sheets and Risk Assessment: Infectious Substances – Clostridium Perfringens. (2011). Retrieved April 9, 2018, from <https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/clostridium-perfringens.html>

Public Health Agency of Canada, Publications, Routine Practices and Additional Precautions for Preventing the Transmission of Infection in Healthcare Settings. (2012). Retrieved April 9, 2018, from <https://www.canada.ca/en/public-health/services/publications/diseases-conditions/routine-practices-precautions-healthcare-associated-infections.html>

Public Health England (2017), Gastrointestinal Infections: Guidance, Data and Analysis. (2014, July). Retrieved April 9, 2018, from <https://www.gov.uk/government/collections/gastrointestinal-infections-guidance-data-and-analysis>

Schwartz, I. S., & Hammond, G. W. (2017). First Reported Case of Multidrug-resistant Candida Auris in Canada. *Canada communicable disease report* 43. 150-3. 10.14745/ccdr.v43i78a02. (2017, July). Retrieved April 9, 2018, from <https://www.researchgate.net/publication/318340966> First reported case of multidrug-resistant Candida auris in Canada

World Health Organization, Media Centre, Cholera (December, 2017). <http://www.who.int/mediacentre/factsheets/fs107/en/>

World Health Organization, Media Centre, Rubella and Congenital Rubella Syndrome (CRS). (February, 2012). Retrieved April 9, 2018, from [http://www.wpro.who.int/mediacentre/factsheets/fs\\_20120228/en/](http://www.wpro.who.int/mediacentre/factsheets/fs_20120228/en/)

Alberta Health Services162